

September 06, 2014

Dear Offerors,

SUBJECT: RFQ Number S-PK330-14-Q-5738 for a landscape renovation at a residence in Lahore

The Embassy of the United States of America invites you to submit a quotation for landscape renovation at a residence in Gulberg, Lahore as described in their respective Scope of Works (SOW).

If you are interested in submitting a quotation on this project, read the instructions in Section J and L of the attached Request for Quotation (RFQ). You should thoroughly examine all documents contained in the contract solicitation package. The Embassy intends to conduct a site visit (see J. C, 52.236-27). **The site visit will be held on September 13, 2014 at 10:00 a.m.** Offerors interested in attending must e-mail: [RizviAA@state.gov](mailto:RizviAA@state.gov) and [LatifM@state.gov](mailto:LatifM@state.gov) on or before **12.00 noon** September 11, 2014. A maximum of two persons from one firm may participate in the site visit/ pre-proposal conference. Interested offerors must provide full name of participant(s) (as written on NIC), NIC number and particulars of vehicle to be used such as make, model, color and registration number.

Your quotation must be submitted in a sealed envelope marked "**Quotation Enclosed (SPK-330-14-Q-5738)**" to **GSO Procurement, American Embassy, Ramna-5, Islamabad on or before 1500 hrs on September 22, 2014.** No quotation will be accepted after this time.

Complete the OFFER portion of the Standard Form 1442, including all blank spaces, and have the form signed by an authorized representative of your company, or the proposal may be considered unacceptable and may be rejected.

In order for a quotation to be considered, you must also complete and submit the following:

1. Section B and Attachment 2: Quotation Breakdown by Divisions.
2. Section K, Representations and Certifications;
3. Bar Chart illustrating sequence of work to be performed;
4. Additional information as required in Section L.

Please direct any questions regarding this solicitation to **Faybein Moy** by letter or by telephone **92-51-208-2288** during regular business hours.

Sincerely,

**Faybein Moy**  
Contracting Officer

<b>SOLICITATION, OFFER, AND AWARD</b> <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO. <b>S-PK-330-14-Q-5738</b>	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFQ)	3. DATE ISSUED <b>September 06, 2014</b>	PAGE OF PAGES <b>1 of 84</b>
	<b>IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.</b>			

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO. <b>PR#3632936</b>	6. PROJECT NO. Landscape renovation project in Lahore
7. ISSUED BY <b>Contracting Officer, GSO-Procurement &amp; Contracting Office American Embassy, Islamabad Diplomatic Enclave, Ramna-5 Islamabad, Pakistan</b>	CODE	8. ADDRESS OFFER TO <b>Contracting Officer, GSO-Procurement &amp; Contracting Office American Embassy, Islamabad Diplomatic Enclave, Ramna-5 Islamabad, Pakistan</b>
9. FOR INFORMATION CALL: ➔	A. NAME <b>Faybein Moy</b>	B. TELEPHONE NO. <i>(Include area code) (NO COLLECT CALLS)</i> <b>(92) 051-208-2288</b>

**SOLICITATION**

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder."

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS *(Title, identifying no., date):*

## TABLE OF CONTENTS

- A. Price
- B. Scope of Work
- C. Packaging and Marking
- D. Inspection and Acceptance
- E. Deliveries/Performance
- F. Administrative Data
- G. Special Requirements
- H. Clauses
- I. List of Attachments
- J. Quotation Information
- K. Evaluation Criteria
- L. Representations, Certifications, and other Statements of Offerors or Quoters

## Attachments

- Attachment 1: Sample Bank Letter of Guarantee (1 page)
- Attachment 2: Breakdown of Price by Divisions of Specifications (1 page)
- Attachment 3: Scope of Work (SOW) including the appendixes 1,through 5 (20 pages)

11. The Contractor shall begin performance within **10** calendar days and complete each house within **45 work days** after receiving  
☐ award, ☒ notice to proceed. This performance period is ☐ mandatory, ☒ negotiable. *(See Section 3.1 of SOW)*

12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS?  
*(If "YES," indicate within how many calendar days after award in Item 12B.)*

☒ YES ☐ NO

12B. CALENDAR DAYS

**10 days after Award**

## 13. ADDITIONAL SOLICITATION REQUIREMENTS:

- A. Sealed offers in original and 2 copies to perform the work required are due at the place specified in Item 8 by **1500** (hour) local time **September 22, 2014**. If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.
- B. An offer guarantee ☐ is, ☒ is not required.
- C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- D. Offers providing less than **60** calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

**OFFER (Must be fully completed by offeror)**

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)

15. TELEPHONE NO. (Include area code)

16. REMITTANCE ADDRESS (Include only if different than Item 14)

CODE

FACILITY CODE

17. The offeror agrees to perform the work at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government within \_\_\_\_\_ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.

AMOUNTS



18. The offeror agrees to furnish any required performance and payment bonds.

**19. ACKNOWLEDGMENT OF AMENDMENTS***The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each*

AMENDMENT NO.

DATE

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER  
(Type or print)

20B. SIGNATURE

20C. OFFER DATE

**AWARD (To be completed by Government)**

21. ITEMS ACCEPTED:

22. AMOUNT

23. ACCOUNTING AND APPROPRIATION DATA

24. SUBMIT INVOICES TO ADDRESS SHOWN IN  
(4 copies unless otherwise specified)

ITEM



25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO

☐ 10 U.S.C. 2304(c)( )☐ 41 U.S.C. 253(c)( )

26. ADMINISTERED BY

CODE

**GSO**

27. PAYMENT WILL BE MADE BY

**Contracting Officer,  
U.S Embassy, Diplomatic Enclave, Ramna-5  
Islamabad****Financial Management Officer (FMO)  
U.S Embassy, Diplomatic Enclave, Ramna-5  
Islamabad****CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE**

☐ 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return \_\_\_\_\_ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration slated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.

☐ 29. AWARD (Contractor is not required to sign this document.)

Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.

30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)

31A. NAME OF CONTRACTING OFFICER (Type or print)

Faybein Moy

30B. SIGNATURE

30C. DATE

31B. UNITED STATES OF AMERICA  
BY

31C. AWARD DATE

Computer Generated  
BACK (REV. 4-85)**STANDARD FORM 1442**

## REQUEST FOR QUOTATIONS - CONSTRUCTION

### A. PRICE

The Contractor shall complete all work, including furnishing all labor, material, equipment and services required under this purchase order for the following firm fixed price and within the time specified. This price shall include all labor, materials, all insurances, overhead and profit.

Total Price (including all labor, materials, overhead and profit)	PKR
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### A.1 VALUE ADDED TAX

Since Value Added Tax (VAT) is not levied in Pakistan so should not be applicable to this contract and shall not be included in the CLIN rates.

### B. SCOPE OF WORK

The character and scope of the work are set forth in the contract. The Contractor shall furnish and install all materials required by this contract.

In case of differences between small and large-scale drawings, the latter will govern. Where a portion of the work is drawn in detail and the remainder of the work is indicated in outline, the parts drawn in detail shall apply also to all other portions of the work.

### C. PACKAGING AND MARKING

RESERVED

### D. INSPECTION AND ACCEPTANCE

The COR, or his/her authorized representatives, will inspect from time to time the services being performed and the supplies furnished to determine whether work is being performed in a satisfactory manner, and that all supplies are of acceptable quality and standards.

The Contractor shall be responsible for any countermeasures or corrective action, within the scope of this contract, which may be required by the Contracting Officer as a result of such inspection.

### D.1 Substantial Completion

(a) "*Substantial Completion*" means the stage in the progress of the work as determined and certified by the Contracting Officer in writing to the Contractor, on which the work (or a portion designated by the Government) is sufficiently complete and satisfactory. Substantial completion means that the property may be occupied or used for the purpose for which it is

intended, and only minor items such as touch-up, adjustments, and minor replacements or installations remain to be completed or corrected which:

- (1) do not interfere with the intended occupancy or utilization of the work, and
- (2) can be completed or corrected within the time period required for final completion.

(b) The "date of substantial completion" means the date determined by the Contracting Officer or authorized Government representative as of which substantial completion of the work has been achieved.

Use and Possession upon Substantial Completion - The Government shall have the right to take possession of and use the work upon substantial completion. Upon notice by the Contractor that the work is substantially complete (a Request for Substantial Completion) and an inspection by the Contracting Officer or an authorized Government representative (including any required tests), the Contracting Officer shall furnish the Contractor a Certificate of Substantial Completion. The certificate will be accompanied by a Schedule of Defects listing items of work remaining to be performed, completed or corrected before final completion and acceptance. Failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The Government's possession or use upon substantial completion shall not be deemed an acceptance of any work under the contract.

## D.2 Final Completion and Acceptance

D.2.1 "Final completion and acceptance" means the stage in the progress of the work as determined by the Contracting Officer and confirmed in writing to the Contractor, at which all work required under the contract has been completed in a satisfactory manner, subject to the discovery of defects after final completion, and except for items specifically excluded in the notice of final acceptance.

D.2.2 The "*date of final completion and acceptance*" means the date determined by the Contracting Officer when final completion of the work has been achieved, as indicated by written notice to the Contractor.

D.2.3 Final Inspection and Tests -The Contractor shall give the Contracting Officer at least five (5) days advance written notice of the date when the work will be fully completed and ready for final inspection and tests. Final inspection and tests will be started not later than the date specified in the notice unless the Contracting Officer determines that the work is not ready for final inspection and so informs the Contractor.

D.2.4 Final Acceptance - If the Contracting Officer is satisfied that the work under the contract is complete (with the exception of continuing obligations), the Contracting Officer shall issue to the Contractor a notice of final acceptance and make final payment upon:

- Satisfactory completion of all required tests,

- A final inspection that all items by the Contracting Officer listed in the Schedule of Defects have been completed or corrected and that the work is finally complete (subject to the discovery of defects after final completion), and
- Submittal by the Contractor of all documents and other items required upon completion of the work, including a final request for payment (Request for Final Acceptance).

E. DELIVERIES OR PERFORMANCE

52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK  
(APR 1984)

The Contractor shall be required to:

- (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed,
- (b) prosecute the work diligently, and,
- (c) complete the entire work ready for use for each house not later than 45 working days after issuance of Notice to Proceed.

The time stated for completion shall include final cleanup of the premises and completion of punch list items.

52.211-12 LIQUIDATED DAMAGES - CONSTRUCTION (SEP 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay liquidated damages to the Government in the amount of **PKR 10,000** for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Default clause.

CONTRACTOR'S SUBMISSION OF CONSTRUCTION SCHEDULES

(a) The time for submission of the schedules referenced in FAR 52.236-15, "Schedules for Construction Contracts", paragraph (a), is hereby modified to reflect the due date for submission as " Ten (10)" calendar days after receipt of an executed contract".

(b) These schedules shall include the time by which shop drawings, product data, samples and other submittals required by the contract will be submitted for approval.

(c) The Contractor shall revise such schedules (1) to account for the actual progress of the work, (2) to reflect approved adjustments in the performance schedule, and (3) as required by the Contracting Officer to achieve coordination with work by the Government and any separate contractors used by the Government. The Contractor shall submit a schedule, which sequences work so as to minimize disruption at the job site.

(d) All deliverables shall be in the English language and any system of dimensions (English or metric) shown shall be consistent with that used in the contract. No extension of time shall be allowed due to delay by the Government in approving such deliverables if the Contractor has failed to act promptly and responsively in submitting its deliverables. The Contractor shall identify each deliverable as required by the contract.

(e) Acceptance of Schedule: When the Government has accepted any time schedule; it shall be binding upon the Contractor. The completion date is fixed and may be extended only by a written contract modification signed by the Contracting Officer. Acceptance or approval of any schedule or revision thereof by the Government shall not:

- (1) Extend the completion date or obligate the Government to do so,
- (2) Constitute acceptance or approval of any delay, or
- (3) Excuse the Contractor from or relieve the Contractor of its obligation to maintain the progress of the work and achieve final completion by the established completion date.

#### Notice Of Delay

If the Contractor receives a notice of any change in the work, or if any other conditions arise which are likely to cause or are actually causing delays which the Contractor believes may result in late completion of the project, the Contractor shall notify the Contracting Officer. The Contractor's notice shall state the effect, if any, of such change or other conditions upon the approved schedule, and shall state in what respects, if any, the relevant schedule or the completion date should be revised. The Contractor shall give such notice promptly, not more than ten (10) days after the first event giving rise to the delay or prospective delay. Only the Contracting Officer may make revisions to the approved time schedule.

#### Notice to Proceed

(a) After receiving and accepting any bonds or evidence of insurance, the Contracting Officer will provide the Contractor a Notice to Proceed. The Contractor must then prosecute the work, commencing and completing performance not later than the time period established in the contract.

(b) It is possible that the Contracting Officer may elect to issue the Notice to Proceed before receipt and acceptance of any bonds or evidence of insurance. Issuance of a Notice to Proceed by the Government before receipt of the required bonds or insurance certificates or policies shall not be a waiver of the requirement to furnish these documents.

#### Working Hours

All work shall be performed during ***0800 – 1800 hrs, from Monday through Saturday.*** Other hours, if requested by the Contractor, may be approved by the Contracting Officer's Representative (COR). The Contractor shall give 24 hours in advance to COR who will consider any deviation from the hours identified above. Changes in work hours, initiated by the Contractor, will not be a cause for a price increase.

#### Preconstruction Conference

A preconstruction conference may be held 10 days after contract award at **U.S. Embassy, Diplomatic Enclave, Ramna-5 Islamabad** to discuss the schedule, submittals, notice to proceed, mobilization and other important issues that effect construction progress. See FAR 52.236-26, Preconstruction Conference.

Deliverables - The following items shall be delivered under this contract:			
<u>Description</u>	<u>Quantity</u>	<u>Deliver Date</u>	<u>Deliver To</u>
Section G. Securities/Insurance	1	10 days after award	CO
Section E. Construction Schedule	1	10 days after award	COR
Section E. Preconstruction Conference	1	10 days after award	COR
Section G. Personnel Biographies	1	10 days after award	COR
Section F. Payment Request	1	Last calendar day of each month	COR
Section D. Request for Substantial Completion	1	15 days before inspection	COR
Section D. Request for Final Acceptance	1	5 days before inspection	COR

#### F. ADMINISTRATIVE DATA

##### 652.242-70 CONTRACTING OFFICER'S REPRESENTATIVE (COR) (AUG 1999)

(a) The Contracting Officer may designate in writing one or more Government employees, by name or position title, to take action for the Contracting Officer under this contract. Each designee shall be identified as a Contracting Officer's Representative (COR). Such designation(s) shall specify the scope and limitations of the authority so delegated; provided, that the designee shall not change the terms or conditions of the contract, unless the COR is a warranted Contracting Officer and this authority is delegated in the designation.

(b) The COR for this contract is ***Senior Facilities Engineer or Maintenance Supervisor***

Payment: The Contractor's attention is directed to Section H, 52.232-5, "Payments Under Fixed-Price Construction Contracts". The following elaborates on the information contained in that clause.

Requests for payment, may be made no more frequently than monthly. Payment requests shall cover the value of labor and materials completed and in place, including a prorated portion of overhead and profit.

After receipt of the Contractor's request for payment, and on the basis of an inspection of the work, the Contracting Officer shall make a determination as to the amount, which is then due. If the Contracting Officer does not approve payment of the full amount applied for, less the retainage allowed by in 52.232-5, the Contracting Officer shall advise the Contractor as to the



reasons.

Under the authority of 52.232-27(a), the 14 day period identified in FAR 52.232-27(a)(1)(i)(A) is hereby changed to 30 days.

**Financial Management Officer, U.S. Embassy, Diplomatic Enclave, Ramna-5, Islamabad**

**G. SPECIAL REQUIREMENTS**

**G.1.0 Performance/Payment Protection** - The Contractor shall furnish bank guarantee as described in 52.228-13 in the amount of 20% of the contract price. These bonds should be in the form of irrevocable letter of credit, bank guarantee, or insurance guarantee from a recognized financial institution.

**G.1.1** The Contractor shall provide the information required by the paragraph above within ten (10) calendar days after award. Failure to timely submit the required security may result in rescinding or termination of the contract by the Government. If the contract is terminated, the Contractor will be liable for those costs as described in FAR 52.249-10, Default (Fixed-Price Construction), which is included in this purchase order.

**G.1.2** The bonds or alternate performance security shall guarantee the Contractor's execution and completion of the work within the contract time. This security shall also guarantee the correction of any defects after completion, the payment of all wages and other amounts payable by the Contractor under its subcontracts or for labor and materials, and the satisfaction or removal of any liens or encumbrances placed on the work.

**G.1.3** The required securities shall remain in effect in the full amount required until final acceptance of the project by the Government. Upon final acceptance, the penal sum of the performance security shall be reduced to 10% of the contract price. The security shall remain in effect for one year after the date of final completion and acceptance, and the Contractor shall pay any premium required for the entire period of coverage.

**G.2.0 Insurance** - The Contractor is required by FAR 52.228-5, "Insurance - Work on a Government Installation" to provide whatever insurance is legally necessary. The Contractor shall at its own expense provide and maintain during the entire performance period the following insurance amounts:

**G.2.1 General Liability (includes premises/operations, collapse hazard, products, completed operations, contractual, independent contractors, broad form property damage, personal injury)**

(1) Bodily Injury, On or Off the Site, in Pakistani Rupee	
Per Occurrence	<b>50,000 PKR</b>
Cumulative	<b>250,000 PKR</b>
(2) Property Damage, On or Off the Site, in Pakistani Rupee	

Per Occurrence	<b>50,000 PKR</b>
Cumulative	<b>250, 000 PKR</b>

G.2.2 The foregoing types and amounts of insurance are the minimums required. The Contractor shall obtain any other types of insurance required by local law or that are ordinarily or customarily obtained in the location of the work. The limit of such insurance shall be as provided by law or sufficient to meet normal and customary claims.

G.2.3 The Contractor agrees that the Government shall not be responsible for personal injuries or for damages to any property of the Contractor, its officers, agents, servants, and employees, or any other person, arising from and incident to the Contractor's performance of this contract. The Contractor shall hold harmless and indemnify the Government from any and all claims arising therefrom, except in the instance of gross negligence on the part of the Government.

G.2.4 The Contractor shall obtain adequate insurance for damage to, or theft of, materials and equipment in insurance coverage for loose transit to the site or in storage on or off the site.

G.2.5 The general liability policy required of the Contractor shall name "the United States of America, acting by and through the Department of State", as an additional insured with respect to operations performed under this contract.

### G.3.0 Document Descriptions

G.3.1 Supplemental Documents: The Contracting Officer shall furnish from time to time such detailed drawings and other information as is considered necessary, in the opinion of the Contracting Officer, to interpret, clarify, supplement, or correct inconsistencies, errors or omissions in the Contract documents, or to describe minor changes in the work not involving an increase in the contract price or extension of the contract time. The Contractor shall comply with the requirements of the supplemental documents, and unless prompt objection is made by the Contractor within 20 days, their issuance shall not provide for any claim for an increase in the Contract price or an extension of contract time.

G.3.1.1. Record Documents. The Contractor shall maintain at the project site:

- (1) a current marked set of Contract drawings and specifications indicating all interpretations and clarification, contract modifications, change orders, or any other departure from the contract requirements approved by the Contracting Officer; and,
- (2) a complete set of record shop drawings, product data, samples and other submittals as approved by the Contracting Officer.

G.3.1.2. "As-Built" Documents: After final completion of the work, but before final acceptance thereof, the Contractor shall provide:

- (1) a complete set of "as-built" drawings, based upon the record set of drawings, marked to show the details of construction as actually accomplished; and,
- (2) record shop drawings and other submittals, in the number and form as required by the specifications.

G.4.0 Laws and Regulations - The Contractor shall, without additional expense to the Government, be responsible for complying with all laws, codes, ordinances, and regulations applicable to the performance of the work, including those of the host country, and with the lawful orders of any governmental authority having jurisdiction. Host country authorities may not enter the construction site without the permission of the Contracting Officer. Unless otherwise directed by the Contracting Officer, the Contractor shall comply with the more stringent of the requirements of such laws, regulations and orders and of the contract. In the event of a conflict between the contract and such laws, regulations and orders, the Contractor shall promptly advise the Contracting Officer of the conflict and of the Contractor's proposed course of action for resolution by the Contracting Officer.

G.4.1 The Contractor shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety, and similar matters, to the extent that such compliance is not inconsistent with the requirements of this contract.

G.4.2 The Contractor shall give written assurance to the Contracting Officer that all subcontractors and others performing work on or for the project have obtained all requisite licenses and permits.

G.4.3 The Contractor shall submit proper documentation and evidence satisfactory to the Contracting Officer of compliance with this clause.

G.5.0 Construction Personnel - The Contractor shall maintain discipline at the site and at all times take all reasonable precautions to prevent any unlawful, riotous, or disorderly conduct by or among those employed at the site. The Contractor shall ensure the preservation of peace and protection of persons and property in the neighborhood of the project against such action. The Contracting Officer may require, in writing that the Contractor remove from the work any employee that the Contracting Officer deems incompetent, careless, insubordinate or otherwise objectionable, or whose continued employment on the project is deemed by the Contracting Officer to be contrary to the Government's interests.

G.5.1 If the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this contract, the Contractor shall immediately give notice, including all relevant information, to the Contracting Officer.

G.5.2 After award, the Contractor has ten calendar days to submit to the Contracting Officer a list of workers and supervisors assigned to this project for the Government to conduct all necessary security checks. It is anticipated that security checks will take 14 days to perform. For each individual the list shall include:

Full Name

Place and Date of Birth  
Current Address  
Copy of Valid Computerized National Identity Card issued by GOP

Failure to provide any of the above information may be considered grounds for rejection and/or resubmittal of the application. Once the Government has completed the security screening and approved the applicants a badge will be provided to the individual for access to the site. This badge may be revoked at any time due to the falsification of data, or misconduct on site.

G.5.3 The Contractor shall provide an English speaking supervisor on site at all times. This position is considered as key personnel under this purchase order.

G.6.0 Materials and Equipment - All materials and equipment incorporated into the work shall be new and for the purpose intended, unless otherwise specified. All workmanship shall be of good quality and performed in a skillful manner that will withstand inspection by the Contracting Officer.

#### G.7.0 Special Warranties

G.7.1 Any special warranties that may be required under the contract shall be subject to the stipulations set forth in 52.246-21, "Warranty of Construction", as long as they are not in conflict.

G.7.2 The Contractor shall obtain and furnish to the Government all information required to make any subcontractor's, manufacturer's, or supplier's guarantee or warranty legally binding and effective. The Contractor shall submit both the information and the guarantee or warranty to the Government in sufficient time to permit the Government to meet any time limit specified in the guarantee or warranty, but not later than completion and acceptance of all work under this contract.

#### G.8.0 Equitable Adjustments

Any circumstance for which the contract provides an equitable adjustment that causes a change within the meaning of paragraph (a) of the "Changes" clause shall be treated as a change under that clause; provided, that the Contractor gives the Contracting Officer prompt written notice (within 20 days) stating:

- (a) the date, circumstances, and applicable contract clause authorizing an equitable adjustment and
- (b) that the Contractor regards the event as a changed condition for which an equitable adjustment is allowed under the contract

The Contractor shall provide written notice of a differing site condition within 10 calendar days of occurrence following FAR 52.236-2, Differing Site Conditions.

#### G.9.0 Zoning Approvals and Permits

The Government shall be responsible for:

- obtaining proper zoning or other land use control approval for the project
- obtaining the approval of the Contracting Drawings and Specifications
- paying fees due for the foregoing; and,
- for obtaining and paying for the initial building permits.

#### H. CLAUSES

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): <http://www.acquisition.gov/far/> or <http://farsite.hill.af.mil/vffara.htm>. Please note these addresses are subject to change.

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Department of State Acquisition website at <http://www.statebuy.state.gov/> to access links to the FAR. You may also use an internet “search engine” (for example, Google, Yahoo, Excite) to obtain the latest location of the most current FAR.

The following Federal Acquisition Regulation clause(s) is/are incorporated by reference (48 CFR CH. 1):

<u>CLAUSE</u>	<u>TITLE AND DATE</u>
52.202-1	DEFINITIONS (NOV 2013)
52.204-9	PERSONAL VERIFICATION OF CONTRACTOR PERSONNEL (JAN 2011)
52.204-10	REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (JUL 2013)
52.204-12	DATA UNIVERSAL NUMBERING SYSTEM NUMBER MAINTENANCE (DEC 2012)
52.204-13	SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (JUL 2013)
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED OR PROPOSED FOR DEBARMENT (AUG 2013)
52.209-9	UPDATES OF INFORMATION REGARDING RESPONSIBILITY MATTERS (JUL 2013)

- 52.213-4      TERMS AND CONDITIONS –SIMPLIFIED ACQUISITIONS (OTHER THAN COMMERCIAL ITEMS) (JAN 2014)
- 52.216-7      ALLOWABLE COST AND PAYMENT (JUNE 2013)
- 52.222-1              NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (FEB 1997)
- 52.222-19      CHILD LABOR – COOPERATION WITH AUTHORITIES AND REMEDIES (JAN 2014)
- 52.222-27              PROMPT PAYMENT CONSTRUCTION (JUL 2013)
- 52.222-50              COMBATING TRAFFICKING IN PERSONS (FEB 2009)
- 52.223-18      ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING (AUG 2011)
- 52.225-13      RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUNE 2008)
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52.236-15	SCHEDULES FOR CONSTRUCTION CONTRACTS (APR 1984)

- 52.236-21 SPECIFICATIONS AND DRAWINGS FOR CONSTRUCTION (FEB 1997)
- 52.236-26 PRECONSTRUCTION CONFERENCE (FEB 1995)
- 52.242-14 SUSPENSION OF WORK (APR 1984)
- 52.243-4 CHANGES (JUNE 2007)
- 52.243-5 CHANGES AND CHANGED CONDITIONS (APR 1984)
- 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS (DEC 2013)
- 52.245-2 GOVERNMENT PROPERTY INSTALLATION OPERATION SERVICES (APR 2012)
- 52.245-9 USE AND CHARGES (APR 2012)
- 52.246-12 INSPECTION OF CONSTRUCTION (AUG 1996)
- 52.246-17 WARRANTY OF SUPPLIES OF A NONCOMPLEX NATURE (JUNE 2003)
- 52.246-21 WARRANTY OF CONSTRUCTION (MAR 1994)
- 52.249-2 TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) (APR 2012) *Alternate I (SEP 1996)*
- 52.249-10 DEFAULT (FIXED-PRICE CONSTRUCTION) (APR 1984)
- 52.249-14 EXCUSABLE DELAYS (APR 1984)

652.204-70 DEPARTMENT OF STATE PERSONAL IDENTIFICATION CARD  
ISSUANCE PROCEDURES (MAY 2011)

(a) The Contractor shall comply with the Department of State (DOS) Personal Identification Card Issuance Procedures for all employees performing under this contract who require frequent and continuing access to DOS facilities, or information systems. The Contractor shall insert this clause in all subcontracts when the subcontractor's employees will require frequent and continuing access to DOS facilities, or information systems.

(b) The DOS Personal Identification Card Issuance Procedures may be accessed at <http://www.state.gov/m/ds/rls/rpt/c21664.htm> .

(End of clause)

CONTRACTOR IDENTIFICATION (JULY 2008)

Contract performance may require contractor personnel to attend meetings with government personnel and the public, work within government offices, and/or utilize government email.



Contractor personnel must take the following actions to identify themselves as non-federal employees:

- 1) Use an e-mail signature block that shows name, the office being supported and company affiliation (e.g. "John Smith, Office of Human Resources, ACME Corporation Support Contractor");
- 2) Clearly identify themselves and their contractor affiliation in meetings;
- 3) Identify their contractor affiliation in Departmental e-mail and phone listings whenever contractor personnel are included in those listings; and
- 4) Contractor personnel may not utilize Department of State logos or indicia on business cards.

(End of clause)

652.236-70 ACCIDENT PREVENTION (APR 2004)

(a) *General.* The Contractor shall provide and maintain work environments and procedures which will safeguard the public and Government personnel, property, materials, supplies, and equipment exposed to contractor operations and activities; avoid interruptions of Government operations and delays in project completion dates; and, control costs in the performance of this contract. For these purposes, the Contractor shall:

- (1) Provide appropriate safety barricades, signs and signal lights;
- (2) Comply with the standards issued by any local government authority having jurisdiction over occupational health and safety issues; and,
- (3) Ensure that any additional measures the Contracting Officer determines to be reasonably necessary for this purpose are taken.
- (4) For overseas construction projects, the Contracting Officer shall specify in writing additional requirements regarding safety if the work involves:
  - (i) Scaffolding;
  - (ii) Work at heights above two (2) meters;
  - (iii) Trenching or other excavation greater than one (1) meter in depth;
  - (iv) Earth moving equipment;
  - (v) Temporary wiring, use of portable electric tools, or other recognized electrical hazards. Temporary wiring and portable electric tools require the use of a ground fault circuit interrupter (GFCI) in the affected circuits; other electrical hazards may also require the use of a GFCI;
  - (vi) Work in confined spaces (limited exits, potential for oxygen less than 19.5 percent or combustible atmosphere, potential for solid or liquid engulfment, or other hazards considered to be immediately dangerous to life or health such as water tanks, transformer vaults, sewers, cisterns, etc.);
  - (vii) Hazardous materials – a material with a physical or health hazard including but not limited to, flammable, explosive, corrosive, toxic, reactive or unstable, or any operations which creates any kind of contamination inside an occupied building such as dust from demolition activities, paints, solvents, etc.; or
  - (viii) Hazardous noise levels.

(b) *Records.* The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to or theft of property, materials, supplies, or equipment. The Contractor shall report this data in the manner prescribed by the Contracting Officer.

(c) *Subcontracts.* The Contractor shall be responsible for its subcontractors' compliance with this clause.

(d) *Written program.* Before commencing work, the Contractor shall:

(1) Submit a written plan to the Contracting Officer for implementing this clause. The plan shall include specific management or technical procedures for effectively controlling hazards associated with the project; and,

(2) Meet with the Contracting Officer to discuss and develop a mutual understanding relative to administration of the overall safety program.

(e) *Notification.* The Contracting Officer shall notify the Contractor of any non-compliance with these requirements and the corrective actions required. This notice, when delivered to the Contractor or the Contractor's representative on site, shall be deemed sufficient notice of the non-compliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to promptly take corrective action, the Contracting Officer may issue an order suspending all or part of the work until satisfactory corrective action has been taken. The Contractor shall not be entitled to any equitable adjustment of the contract price or extension of the performance schedule on any suspension of work order issued under this clause.

(End of clause)

652.242-73 AUTHORIZATION AND PERFORMANCE (AUG 1999)

(a) The Contractor warrants the following:

- (1) That is has obtained authorization to operate and do business in the country or countries in which this contract will be performed;
- (2) That is has obtained all necessary licenses and permits required to perform this contract; and,
- (3) That it shall comply fully with all laws, decrees, labor standards, and regulations of said country or countries during the performance of this contract.

(b) If the party actually performing the work will be a subcontractor or joint venture partner, then such subcontractor or joint venture partner agrees to the requirements of paragraph (a) of this clause.

652.243-70 NOTICES (AUG 1999)

Any notice or request relating to this contract given by either party to the other shall be in writing. Said notice or request shall be mailed or delivered by hand to the other party at the address provided in the schedule of the contract. All modifications to the contract must be made in writing by the Contracting Officer.

652.229-71 PERSONAL PROPERTY DISPOSITION AT POSTS ABROAD (AUG 1999)

Regulations at 22 CFR Part 136 require that U.S. Government employees and their families do not profit personally from sales or other transactions with persons who are not themselves entitled to exemption from import restrictions, duties, or taxes. Should the Contractor experience importation or tax privileges in a foreign country because of its contractual relationship to the United States Government, the Contractor shall observe the requirements of 22 CFR Part 136 and all policies, rules, and procedures issued by the chief of mission in that foreign country.

I. LIST OF ATTACHMENTS

ATTACHMENT NUMBER	DESCRIPTION OF ATTACHMENT	NUMBER OF PAGES
Attachment 1	Sample Bank Letter of Guaranty	1
Attachment 2	Breakdown of Price by Divisions of Specifications	1
Attachment 3	Statement of work for House D including Appendix from 1 through 7	34

## ATTACHMENT # 1

### SAMPLE LETTER OF BANK GUARANTY

Place [       ]

Date [       ]

Contracting Officer

U.S. Embassy, [Post name]

[Mailing Address]

Letter of Guaranty No. \_\_\_\_\_

SUBJECT: Performance and Guaranty

The Undersigned, acting as the duly authorized representative of the bank, declares that the bank hereby guarantees to make payment to the Contracting Officer by check made payable to the Treasurer of the United States, immediately upon notice, after receipt of a simple written request from the Contracting Officer, immediately and entirely without any need for the Contracting Officer to protest or take any legal action or obtain the prior consent of the Contractor to show any other proof, action, or decision by another authority, up to the sum of [Amount equal to 20% of the contract price in U.S. dollars during the period ending with the date of final acceptance and 10% of the contract price during contract guaranty period], which represents the deposit required of the contractor to guarantee fulfillment of his obligations for the satisfactory, complete, and timely performance of the said contract [contract number] for [description of work] at [location of work] in strict compliance with the terms, conditions and specifications of said contract, entered into between the Government and [name of contractor] of [address of contractor] on [contract date], plus legal charges of 10% per annum on the amount called due, calculated on the sixth day following receipt of the Contracting Officer's written request until the date of payment.

The undersigned agrees and consents that said contract may be modified by Change Order or Supplemental Agreement affecting the validity of the guaranty provided, however, that the amount of this guaranty shall remain unchanged.

The undersigned agrees and consents that the Contracting Officer may make repeated partial demands on the guaranty up to the total amount of this guaranty, and the bank will promptly honor each individual demand.

This letter of guaranty shall remain in effect until 3 months after completion of the guaranty period of Contract requirement.

\_\_\_\_\_  
Depository Institution: [Name]

Address:

Representative(s): \_\_\_\_\_  
\_\_\_\_\_

Location: \_\_\_\_\_

State of Inc.: \_\_\_\_\_

Corporate Seal:

\_\_\_\_\_  
Certificate of Authority is attached evidencing authority of the signer to bind the bank to this document.

Solicitation # S-PK330-14-Q-5738

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CGR Landscaping Renovation Project in Gulberg, Lahore

**ATTACHMENT # 2**

**UNITED STATES DEPARTMENT OF STATE  
BREAKDOWN OF PRICE BY DIVISIONS OF SPECIFICATIONS**

<b>(1) DIVISION/ DESCRIPTION</b>	<b>(2) LABOR</b>	<b>(3) MATERIALS</b>	<b>(4) OVERHEAD</b>	<b>(5) PROFIT</b>	<b>(6) TOTAL</b>
1. General Requirements/ Mobilization					
2. Site Work					
3. Concrete					
4. Masonry					
5. Metals					
6. Wood and Plastic					
7. Thermal and Moisture					
8. Doors and Windows					
9. Finishes					
10. Specialties					
11. Equipment					
12. Furnishings					
13. Special Construction					
14. Conveying Systems					
15. Mechanical					
16. Electrical					
<b><i>TOTAL Pak Rs.</i></b>					

Allowance Items:

**PROPOSAL PRICE TOTAL PAK Rs.:** \_\_\_\_\_

\_\_\_\_\_  
Alternates (list separately do not total)

\_\_\_\_\_  
***Offeror:*** ***Date***

## ATTACHMENT # 3

### STATEMENT OF WORK

#### 1.0 **BACKGROUND AND PURPOSE:**

US Consulate General Lahore requires repairs of Government Owned residences in the city, this project consists of: Planter/Wall Features, Steps, Walkways and Paths, Privacy Screen /Trellis , Entertainment Area Roof Structure with Bar and BBQ areas, Lighting, Plumbing, Grading and Drainage and Plantings, etc. to meet specified standards and in accordance with the drawings and specifications attached, for completion of all the work described herein. See APPENDIX (Section 8.0) for attachments.

#### 2.0 **LOCATION:**

Contractor shall carry out the required work at a residence in Gulberg, Lahore. The existing residential and annex building structures consist of: brick masonry with plaster walls and reinforced concrete roof slab, typically with overhangs and awnings, and large raised terraces in the front and back yard. The existing landscaped areas consist of: flat lawn areas with hedges, some tree and palm plantings, mainly along the perimeter walls, tall bouganvillae along the front (perimeter) wall, and newly installed driveway paving with concrete pavers and curbs.

#### 3.0 **GENERAL REQUIREMENTS:**

- 3.1 Contractor shall execute the required work in a diligent manner in accordance with a fixed performance period of forty (45) working days, or such time frame as requested/advised by Contractor and approved by COR.
- 3.2 Contractor shall submit evidence (Construction and Shop Drawings) of previous work that demonstrates their knowledge and expertise in constructing similar work, as stated in Scope of Services, which shall be required as part of the Technical Evaluation.
- 3.3 Contractor shall be required to prepare Timeline Schedules of planning/phasing of work, and cost estimates. These documents, shall be required as part of Technical Evaluation, and shall provide the necessary interfaces, coordination and communication between the COR and the Contractor.
- 3.4 In addition, Contractor shall be required to prepare reports, bill of materials, quality control schedules and construction costs to provide the necessary interfaces, coordination, and communication between the COR and Contractor for the delivery of completed landscape renovation project.
- 3.5 Contractor shall ensure that all work is performed at the appropriate time and that no work completed is hindering other aspects of the job or being impacted (damaged, dirtied, etc.) by any subsequent phase of work.
- 3.6 Contractor shall repair any damage to existing infrastructure caused as a result of construction.
- 3.7 Contractor shall be responsible for field verifying (with proper equipment) all dimensions and spot elevations of existing buildings and walls, terraces, driveway, and proposed Landscaped Areas during pre-bid meeting and/or site visit, at which time COR will point out further specifics of the job.
- 3.8 Contractor shall submit an access request for all personnel, equipment and vehicles, to the Chancery RSO for approval, and shall obey RSO's security directives at all times.
- 3.9 The Contractor shall have limited access and not be admitted into the actual residence outside the areas designated for the project, except with permission by the COR.

- 3.10 Contractor shall provide a site Project Manager who is fluent in English, and shall also have qualified technicians using equipment required to satisfy the technical aspects of the job requirements.
- 3.11 Contractor shall perform the job in accordance with U.S. Codes and Standards, and shall comply with all local host-country Codes, Ordinances and Regulations for Construction, Labor and Safety Practices.
- 3.12 Contractor shall comply with all Accident Prevention requirements, as stated under Section (H) CLAUSES, per DOSAR652.236-70 in the main body of the Contract, which includes:
- Workers are required to wear hardhats and steel toed shoes on the job site at all times.
  - See APPENDIX for complete list of all safety requirements on all Overseas Construction Projects.
- 3.13 Contractor shall perform the construction in accordance with the provided Specifications, Drawings and Details as listed in the APPENDIX #1. However, any discrepancies between existing conditions and proposed construction (especially related to drainage improvements) shall be brought to the attention of the COR for immediate resolution.
- 3.14 IF no topographic drawings are available, Contractor shall prepare all necessary Plans/Details drawings, as follows:
- Existing Conditions Plan - including Spot Elevations at all critical points to determine Fin. Floor elevations at existing buildings, terraces, steps and paving, existing lawn area with high points & low points, showing drainage patterns and storm drain system, existing manholes and utilities (electric and water), existing lighting ,etc. all as currently existing.
  - Proposed Site & Grading Plan showing any necessary design adjustments that may be required, including all necessary re-grading/improvements of the site (including spot elevations, finish grades and slopes required for all new paving and drainage, raised platforms, planter walls, and lawn areas), to ensure positive drainage away from the residential structure; lawn areas and planting beds with proper slopes all draining into proper (existing and/or new as may be required) storm drainage system, as well as connections points to proposed electrical and water (supply & sewer) points as required.
  - Proposed Details/Sections for all new paving, raised platforms, steps, planter walls, lawn areas, drainage trenches, etc. showing the manner in which all joints, edges and fasteners/connections with existing elements/conditions (including walls, steps, lawn, planting beds, driveway, curbs, sewerage and storm drainage, manholes, floor drains, plumbing, electrical/cabling, etc.) will be handled including any relocations required and/or as directed.
  - All drawings will be submitted for approval and coordination with COR, prior to proceeding.
- 3.15 Contractor shall have a current marked, complete set of the Contract documents, including Scope of Work, Drawings and Specifications, approved Submittals, Progress Reports and Schedule, available on the job site at all times.
- 3.16 The project start date is to be made as soon as possible and is expected to begin upon receipt of NTP.3.13
- 3.17 After final completion of the work, but before final acceptance thereof, the Contractor shall provide:
- A complete set of “as built” drawings, based upon the record set of drawings, marked to show the details of construction as actually accomplished.
  - Record shop drawings and other submittals, in the number and form as required by specifications.



#### **4.0 SCOPE OF SERVICES:**

Contractor shall provide all construction/fabrication, furnishing of materials, labor, equipment and supervision necessary to complete the technical requirements in this statement of work. The work consists of, but is not limited to, the following:

#### **4.1 LOGISTICS and SITE PROTECTION:**

##### **4.1.1 LOGISTICS:**

- i. Electrical 220v 50Hz available
- ii. Water source available
- iii. Contractor shall provide proper survey equipment (along with trained personnel to operate) for field verifying Existing Conditions, as well as to ensure that the Proposed Landscape Site Plan can be followed in order to achieve the required site improvements, as specified.

##### **4.1.2 SITE PROTECTION:**

Contractor shall protect the entire project site, exterior and interior as follows:

- a. Protect the existing building walls and perimeter walls, the guard post, the existing surrounding garden (hedges, trees, palms, shrubs, planting beds, etc.), from any damage from use of equipment, piling of materials and/or soiling during construction.
- b. Contractor may not pile construction materials on top of new paved areas and/or existing terraces, without fully protecting them first, to avoid any debris in the joints and/or staining, scratching or cracking, etc.
- c. Contractor may coordinate with COR, for temporary removal (by Embassy gardeners) of any potted plants that require more maintenance /watering than Contractor is willing to provide.
- d. Maintain the existing storm drainage system fully operational and free of debris at all times.
- e. Maintain the existing sewerage system fully operational and free of debris at all times.
- f. Contractor shall also protect the site from erosion and provide sediment control measures when dealing with piles of excavated materials and/or backfill materials.

#### **4.2 DEMOLITION, CLEARING, DIGGING, REMOVAL, and DISPOSAL:**

- a. Contractor shall skim, scrape and remove all existing grass (including roots) and dispose of it as required.
- b. Contractor shall stockpile any existing topsoil worth saving, and shall cover and protect it as required.
- c. Contractor shall remove any dead or unsightly plant material, and dispose of it as required
- d. Contractor shall properly dig (with appropriate equipment) designated citrus trees to be relocated (3 - as shown on plan) and shall ball & burlap, and/or heel- in as may be required, and shall water and maintain them healthy until ready for transplanting. (Note: preliminary - perimeter & deep - watering in a ring around tree typically makes digging easier.)
- e. Contractor shall properly dig all existing roses (shown in Existing Conditions Plan) and shall maintain, same as above, until ready for transplanting in the new Mounded Rose Garden.
- f. Contractor may choose to leave roses and trees (to be transplanted/relocated) protected in place and transplant directly to their new locations so long as the proper finish grading /elevations and proper bed preparations can be achieved and they will not be impacted by ongoing construction work.
- g. Contractor shall remove all existing brick curbing in the back yard and salvage only undamaged bricks to be re-used at proposed garden “works areas” as directed. Stockpiling shall be done in tidy fashion for ease of access when needed.
- h. Any hardscape removal that may be required, shall be performed by using jack hammers, chisels, wire brushing or other effective means to get the required results. See Section 5.1.1 Site Visit and

Compliance, paragraph (f) regarding safety requirements for Accident Prevention when using loud and noisy equipment.

- i. Contractor shall remove existing manhole to be relocated as required, and any necessary storm drainage to be re-routed and /or replaced as required, in accordance with the drawings or to satisfy recommended site drainage improvements to be pre-approved by COR.
- j. In addition, removal of any existing utility pipes, cable/wire and/or conduits, that are in the way of new construction shall be pre-approved by COR prior to relocation. Contractor shall take all necessary safety precautions when disconnecting above mentioned utilities and shall be prepared to tie back and re-connect in accordance with standard practices.
- k. Contractor shall remove any existing plant material, including roots that may impact the proposed new construction, however, Contractor shall coordinate with COR, in the event some of the plant material may be salvaged and transplanted elsewhere, by and/or per COR's direction. Anything not salvageable shall be disposed of properly.
- l. Of the remaining materials to be removed and/or replaced, such as lights, excess roses, miscellaneous plantings, etc. Consulate Lahore - Facilities Management shall be given chance to select what they will keep. Anything remaining, along with all construction debris, shall be disposed of off-site according to local regulations.
- m. Cleaning (including pressure washing) and removal of debris in the main exterior storm drainage pipes (including man holes, hand holes and grate boxes, etc.) to ensure that they are not clogged, damaged or seeping, prior to connecting the proposed PVC perforated drainage pipes in the trench drains, as shown on the drawings.
- n. All construction debris shall be removed from the site on a daily basis. The entire work site, ground areas, external utilities, etc. shall be kept clean and accessible at all times.

#### **4.3 EXCAVATION, TRENCHING AND PREPARATORY WORK FOR DRAINAGE:**

##### **4.3.1 EXCAVATION AND TRENCHES:**

- a. Contractor shall excavate drainage trenches with perforated PVC drainage pipe in locations as shown in the drawings, as well as for any existing drainage to be replaced, as may be required), in accordance with the drawings and as required and/or directed by COR.
- b. Contractor shall excavate drainage dry wells in locations as shown in the drawings, as well to supplement storm drainage system and/or to capture any downspout run-off, in accordance with the drawings and as required and/or directed by COR.
- c. Depth of trenches shall be determined, based on the existing site conditions survey prepared by the Contractor, as necessary to allow proper flow and connections into the existing storm drain system. Note: if said system is deficient Contractor shall make all necessary improvements to the existing system as required to achieve the drainage improvements proposed.
- d. Drainage trenches shall consist of river stone wrapped in filter fabric, as required. See Detail B for Front Yard trenches required and Details K, L & M for Back Yard Drainage trenches required
- e. Contractor shall utilize proper excavation equipment aided by proper removal and disposal equipment, in accordance with the contract and following procedures:
  - Any excavation and trenches that exceed 1 meter in depth require additional safety measures and precautions.
  - See Section 5.1.1 Site Visit and Compliance, paragraph (f) regarding safety requirements for Accident Prevention.

#### 4.3.2 PREPARATORY WORK FOR DRAINAGE IMPROVEMENTS:

- a. All new and/or replacement storm drainage pipes connected to functional services to remain, shall be – installed at the required slopes for proper drainage and at the necessary depths to provide proper clearances from the proposed improvements, as required.
- b. All proposed PVC perforated drainage pipe (typ. 6” diam.) shall be set at appropriate depths, and sloped within the drainage trenches to adequately convey water to the existing and /or new storm drainage connection points as required. See Detail B for Front Yard, and Details K, L, M, N & P for Back Yard requirements.
- c. All proposed PVC drainage pipe (typ. 3” diam) and weepholes set with riverstone drainage pockets, as required to drain contained planters, shall be set at appropriate depths. See Proposed Landscape Site Plan and Detail Q for drainage of rear planter at Entertainment Area. See Detail G for drainage of Raised Gravel Walk and Garden at Front Yard.
- d. Drainage pipe slopes required to satisfy proper flow are as follows:
  - typical 3” or smaller “non waste” pipe requires min. 1/8” per foot = approx. 1% slope
  - typical 4” or larger “storm” pipe requires min. 1/8” per foot = approx. 1% slope
  - typical 6” perforated drainage pipe requires min. 1/8” per foot = approx. 1% slope
- e. In addition to possible repair, replacement and or extension, as may be required, of the existing storm drainage pipes, Contractor shall make all necessary site improvements, as previously mentioned, in order to ensure that:
  - all existing utility pipes (for water and/or gas), and all existing cable/wire and conduits that are in the way of any proposed improvements and/or are visibly exposed in adjacent garden areas are relocated, with the approval of COR
  - all existing downspouts with run-off currently flowing over the existing “new” paving are directly connected to the existing storm drain system or to storm drainage retention areas where ground absorption is encouraged, as directed by COR.
- f. Upon completion of the installation of all drainage pipes, and any other utilities as previously noted, Contractor shall notify COR and the entire systems shall be tested and shall meet the approval of COR prior to close-out / backfilling.
- g. Typical test includes timing of the velocity of water draining through the pipes as follows:
  - Timing shall take place and be observed at each manhole or inlet, and the velocity shall be determined based on the distance separating the observation points.
  - Two (2) feet per second velocity is the minimum recommended for soil and waste lines.
  - If the tests are not satisfactory, Contractor shall make the necessary adjustments until the testing is approved by COR and Contractor is authorized for close-out, to avoid having to come back and tear out anything later.
- h. Contractor shall initiate backfilling starting with sand and other approved backfill combinations, as per standard practice.
- i. All exposed ground where paving was removed and will be replaced, and where backfilling was completed, shall be free of debris and dry – before compacting to 95% modified AASHTO, as required for concrete base preparation.
- j. Contractor shall carefully follow the Site and Grading Drawings in order to ensure that all Proposed Finish Elevations will be satisfied by excavating existing soil surface to the proper depths as required to allow for the required gravel base and thickness of the proposed concrete (RCC) base slabs as required.
- k. Contractor shall ensure that Proposed Finish Elevations of the existing sewer manholes, service boxes, collars for the lids, etc., in accordance with the drawings, are revised to allow

for clearance of the Proposed RCC Finish Paving slab and/ or the clearance of the Proposed Brick Paving and setting bed.

- I. Special focus on the sequence of operations is required as mentioned in Paragraphs 3.2 and 3.3

#### **4.4 REGRADING, BACKFILL AND DRAINAGE**

- a. Contractor shall remove existing turf thoroughly, to ensure none will come back; any rocks, stones and debris encountered during re-grading operations shall be removed from the site and disposed of properly, in accordance with acceptable local practices.
- b. Contractor shall till and or aerate all areas within the limits of the proposed new turf and planting areas.
- c. All areas requiring backfill, in accordance with the drawings/details, shall use acceptable backfill soil material, which shall be compacted, as required, in preparation for any required base and subsequent construction.
- d. Contractor shall stake out the proposed grading and spot elevations required to achieve the proposed drainage improvements, and shall notify COR for inspection and approval, prior to performing the actual grading.
- e. All areas requiring “improved soil”, in accordance with the drawings/ details, shall require specifications provided by the Contractor of the various content elements, and shall confirm with local experts as to the acceptability of such for each specific location, as noted in the drawings.
- f. Contractor shall transplant any plant material (trees and or shrubs) that will be in the way of construction, according to standard practices and as directed in accordance with the drawings. Contractor shall be responsible for maintaining/watering said plant material for the duration of the project.
- g. Contractor shall ensure that adequate drainage is achieved and that excess runoff will be managed by tying into the existing storm drain system. All drainage elements and connections shall ensure positive flow and shall be made to the nearest point of existing storm drainage system as necessary, in accordance with the drawings and details.
- h. Contractor shall be responsible for proper sizing of any connections and additional storm drain manholes/inlets that may be required, and shall maintain the storm drain system fully operational at all times, including any repairs/replacements as may be necessary.
- i. Any removal of existing curb and/or paving that may be required to make the drainage connections shall be repaired and/or replaced in kind, as may be necessary and causing minimal disruption.
- j. Drainage is clearly defined for both the Front and Back Yard as follows:
  - Front Yard - drainage collection is typically located within the gravel area, between the rear base of the bermed planters and the mowing strip, in the form of a dry well pit and/or trench with a typ. 6” perforated pipe running at the base, as shown in the drawings/details, which is then connected (from the triangular end portion of the berm to an existing storm drain system along the driveway) with a 9” (min.) PVC pipe as may be required. See: Layout Plan – Front Yard and Details
  - Back Yard – drainage collection is typically located along the front edge of the planting bed at the base of the existing terrace and along the new proposed path which shall be of permeable construction, flush with the lawn area, and with a good gravel base and a continuous drainage trench (with riverstone) below with a typ. 6” perforated pipe running at the base, as shown in the drawings/details, draining to a drywell pit connecting point, as required, which is then connected to an existing storm drain system with a 9” (min.) PVC pipe , as may be required. See: Layout Plan - Back Yard and Details.
  - NOTE: If no existing storm drain system exists, Contractor shall size the drywell pits and/ or trenches. as may be required, to allow for greater capacity of runoff retention, and

shall also ensure that all perimeter planting beds have low points in them so that any excess runoff from the turf areas will naturally drain into the planting beds.

- k. Contractor shall provide weep holes and drainage connections in all planter walls in accordance with the drawings, and shall provide any additional foundation drainage as may be required.

#### **4.5 CONCRETE WORK - PAVING, STEPS, WALLS, FOOTINGS AND FOUNDATIONS:**

##### **4.5.1 REINFORCED CONCRETE PAVING, FOOTINGS, FOUNDATIONS AND WALLS:**

Contractor shall install new reinforced concrete (RCC) paving, footings, foundations, walls and wall supports for brick and/or stone facings as shown in the Drawings.

See Proposed Landscape Site Plan and Front Yard Layout Plan.

See Details C, G, H, I, J, P, Q, R & S for specific requirements throughout.

- a. Contractor shall provide and install vapor barrier, gravel base and formwork as necessary, before laying the required reinforced concrete slabs, footings and foundations, etc., as follows:
  - i. Concrete mix shall be - ordinary Portland cement, Lawrencepur sand and Margalla crushed stone in 1:2:4 ratios.
  - ii. Structural rebars, ties, etc. shall be installed with overlaps and clearances, per standard practices and as shown on drawings
- b. Vapor barrier shall be 6 mil polyethylene sheets, overlapped, folded and/or stapled as required.
- c. Gravel base course shall be a minimum of 4" thick crushed gravel compacted to a minimum of 95% modified AASHTO.
- d. Contractor shall make all necessary provisions for the electrical connections to the surface mounted lights on top of the columns/pilasters - including wiring, conduits, connection boxes, and proper connections to the existing system which should be temporarily disabled and protected during the demolition.
- e. Contractor shall get approval from COR, prior to installing the formwork, and prior to pouring any concrete, and shall ensure that all finish dimensions/grades, structural steel, all embedded items, etc. meet the drawing requirements and specifications.
- f. Structural rebars for the slabs shall in accordance with the drawings, and with overlaps, ties, clearances, etc. per standard practice. Reinforcement shall be located in the center of the slab, by means of the use of "feet" or some other conventional method. See Details C,H,P & Q
- g. Structural rebars for the walls, footings and foundations shall be in accordance with drawings. See Details G,H,I,J & Q
- h. Contractor shall cure and parge (waterproof) all concrete walls that will be faced with either brick and or stone, as required by standard practice.
- i. Typical 1/2" expansion joint filler and watertight/weather resistant caulk shall be as noted, and approved by COR:
  - i. Joint filler
  - ii. Caulk
- j. Typical scores shall be clean V-scores or grooves, in pattern as shown on the plans.
- k. Typical exposed concrete paving surface shall be broom finished in accordance to standard practice and as shown in the drawings
- l. Contractor shall plaster all concrete work that remains exposed columns/pilasters with 1:3 ratio of cement sand, prime and paint with two coats of Weather Shield paint, to match existing conditions.
- m. Contractor shall patch and repair any plaster, masonry and/or cement damaged during demolition and finish to match existing finishes. Contractor may need to paint entire sections

of wall to achieve a uniform finish. Paint to match color, quality and texture of existing painted walls.

#### 4.6 **BRICK WORK – PAVING, MOWING STRIPS, STEPS, WALLS AND PLANTERS**

- a. Contractor shall provide and install brick bands, borders and mowing strips over new reinforced concrete or simple concrete levelling bases; or install brick pads w/ steel edging over gravel base course; or otherwise install brick facing over walls and steps, as shown on the drawings as follows:

- Sloped / Stone Berm Planters - See DWGS: Layout Plan- Front Yard, Details A & B.
- Brick Bands, Tree Rings and Mowing Strips – See DWGS: Layout Plan- Front Yard, Details A,B,C,D,E,F,G,H,I & J.
- Raised Wall Planters and Brick Steps (w/concrete slabs and foundations). See DWGS: Layout Plan - Front Yard, Details H & I
- Raised Garden Walls (w/concrete foundations)with Gravel Walkway – See DWGS: Layout Plan - Front Yard, Detail G
- Mounded Rose Garden w/ Brick Mowing Strip – See DWGS: Layout Plan - Front Yard, Detail D
- Brick Entrance Pads - See Detail E

Note: also see Detail F for a variation of the entrance pad, with gravel and steel edging.

- Brick Planter / Flag Display – See DWGS: Layout Plan - Front Yard, Detail J
- b. Contractor shall provide bricks as required per the drawings and details. All bricks shall be standard, and uniform in size, shape and color, well cured, non – porous type, to prevent moss growth. Sample to be approved by COR.
- c. Contractor shall always install brick with a typical starter course - brick border/ band, installed to fit tight and perpendicular to existing and/or new structures, to meet the proposed finish elevation/grade, in accordance with the drawings and specific joint details as provided.
- d. Additional brick cutting may be required to provide tight and even joints around any existing fittings or structures, including electrical, plumbing, sewerage, or drainage, encountered, in accordance with the drawings and specific joint details as provided.
- e. Subsequent brick laying shall be installed to fit TIGHT in typical running courses of brick, perpendicular to the brick border, to meet the proposed finish elevation/grade in accordance with the drawings.
- f. Typical brick cutting at 45 degree angle, may be required, where defined slope directional changes occur, as shown on the drawings, especially when the paving with the typical brick border course from different areas must meet and the pattern does not line up.
- g. Dry sand shall be swept into the brick joints, and bricks shall be tamped down carefully to provide a smooth surface and achieve the slope requirement. Once excess sand is swept off, the entire brick paving surface shall be sprinkled lightly to allow the sand to seep into the grooves, and the entire process is repeated again, as necessary until bricks are firmly set and have no room for movement or migration.

#### 4.7 **PLANTING, TRANSPLANTING, SOIL IMPROVEMENTS AND MULCH:**

##### 4.7.1 **PLANTING and TRANSPLANTING**

See Drawings: Proposed Landscape Site Plan, showing location of all specific plantings required, in addition to location of proposed planting beds/ planters.

See Site Sections 1 thru 4, showing intent of landscape design

See Appendix # 2 – Planting Plan Requirements

See Appendix # 3 – Planting Specifications and Details

See Appendix # 4 - Planting Pot Selections

#### **4.7.2 SOIL IMPROVEMENTS AND MULCH**

See Drawings: Proposed Landscape Site Plan, showing location of all specific plantings required, in addition to location of proposed planting beds/ planters.

See Details for mulch requirements and specifications

See Appendix # 2 – Planting Plan Requirements

See Appendix # 3 – Planting Specifications and Details

#### **4.8 LIGHTS & CEILING FANS:**

- a. Contractor shall provide all lights and ceiling fans as shown on the drawings.
- b. See Overall Electric Plan and Entertainment Area – Lighting Plan & Elevation for general requirements and specific locations
- c. See Appendix #5 for Lighting & Ceiling Fan Requirements.
- d. See Appendix # 6 for Standard Electrical Code & Specifications, to be used for applicable sections, as required.
- e. Contractor shall mount and connect all lights & ceiling fans, along with the required switches and connections as required. Contractor shall hook up new distribution panels as required (as shown and noted on the Overall Electric Plan) to existing power supply with all necessary extensions to the appropriate locations, which shall be properly safeguarded throughout construction.
- f. All connections shall satisfy local construction codes and meet all safety standards.
- g. Light bulbs shall be as required to satisfy all the requirements as noted in the Appendix and/or Drawings.

#### **4.9 PRIVACY SCREEN TRELLIS:**

- a. Contractor shall supply all materials required for the construction of the proposed (2) Privacy screens / trellis as shown on the drawings. See Back Yard Layout Plan for location.
- b. See Detail S for construction specifications.
- c. Contractor shall apply one coat of red oxide primer, allow to dry, then apply a minimum of 3 coats of spray enamel paint by ICI, in color to be approved by COR.

#### **4.10 CABINETRY, DOORS & SHELVES, HARDWARE & PAINT**

SEE NOTES ON DRAWINGS AT Entertainment area details as well.

## **HARDWARE**

1. Contractor shall provide all hardware necessary, to match that of existing doors on site. Finish shall be stainless steel; and locking system shall be standard Room Lock with key for all swing doors and special recessed pull with key for all pocket doors.
2. Contractor shall provide all materials, tools, labor and equipment necessary to install all the hardware properly, in accordance to std. practices.

## **11.0 CABINetry , DOORS AND SHELving**

1. Contractor shall provide all materials, tools, equipment and labor necessary to construct and install all the doors properly, in accordance to std. practices.
2. Contractor shall provide all materials, tools, equipment and labor necessary to construct and install all the doors properly, in accordance to std. practices.
3. Contractor shall ensure that all elements are properly leveled and shimmed, and that all movable parts can be opened, closed, removed, adjusted as required for optimum functionality.

## **12.0 PAINT AND POLISH WORK:**

1. Contractor shall provide and apply one coat of an anti-fungal primer and two coats of plastic emulsion paint (ICI or equivalent approved by COR for paint, putty or primer) on all interior surfaces pre-cleaned/scraped and prepared surfaces using ICI putty. The color scheme for all surfaces shall be approved by the COR prior to apply the paint.
2. Contractor shall follow manufacturer's instructions when thinning paints and in no case should thinners exceed 5% by volume. Paint should be stirred regularly unless otherwise recommended by the manufacturer. Most paints are provided in a condition ready for use. It is important that only those additions are made which are expressly permitted on the container labels. Material should not be used when either the shelf-life or the pot life has been exceeded. The dry period of the one coat is three hours or as specified by the manufacturer.
3. All work should be done in a workman like manner, leaving the finished surface free from drips, ridges, waves, laps and brush marks. All paints should be applied under dry and dust free conditions. Surfaces should be free from moisture at the time of painting. The paint should not be applied when the temperature of the surrounding air is below 45 degrees Fahrenheit.
4. Each coat of paint should be allowed to dry or harden thoroughly before the succeeding coat is applied. Over thinning will not be permitted. After the first coat surfaces are soaked evenly four or five times and left to dry for at least overnight, the second coat should be applied. The film thickness of each coat of paint should be as specified by the paint manufacturer. This item applies to all interior of the building. If necessary, more coats should be applied until the desired quality is achieved.
5. Contractor shall provide and apply three coats of polish on all wood work, doors etc. This item should be water proof and weather proof in all respects. Contractor shall clean the



site on daily basis and repair any damage to match existing condition during work. ICI wood care system shall be used as per manufacturer recommendations and procedures.

- 5.0 **PERFORMANCE:** The Contractor shall perform the job in accordance with International Building Codes 2006, ASTM standards and local host country codes.

**5.1.1 PRELIMINARY SITE VISIT AND COMPLIANCE:**

- a. Contractor shall visit the site to determine the full extent of the work. Failure to inspect the site will not constitute grounds for a claim after contract award. A site visit will be scheduled with the COR.
- b. Contractor shall examine all the documents. The Contractor is responsible for knowing all the conditions and limitations applied to the work. COR will make no subsequent allowance to the Contractor for neglect or unawareness of the existing site conditions.
- c. *Contractor shall be responsible for all required materials, equipment and personnel to manage, administer, and carry out supervision of this project. All workmanship shall be of good quality and performed in a skillful manner as determined by the COR.*
- d. Contractor shall assign a Project Site Manager that possesses Level 3 English Skills, who shall be responsible for the overall management of the project and shall represent the Contractor on the site during construction at all times. The COR or his Designee must approve the Project Site Manager. The Project Site Manager shall attend all project meetings.
- e. Contractor is responsible for safety and shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety and similar matters. Contractor shall submit a safety plan to be approved by COR. The Contractor shall promptly report all accidents resulting in lost time, disabling, or fatal injuries to the COR.
- f. Contractor shall comply with the following applicable safety requirements as stated in DOSAR 652.236-70 ACCIDENT PREVENTION. See APPENDIX # 3
- g. Contractor shall verify that all materials, equipment, and systems provide operational dependability.
- h. Contractor shall construct the project for easy maintenance with readily available materials and services. Contractor shall maximize the compatibility of materials.
- i. Contractor shall prepare and maintain a Quality Control Schedule (QCS) to address the cost and schedule of the project. The QCS must document the entire project from beginning to end.
- j. The COR may perform quality assurance inspections to confirm that Contractor performs the work according to the Contract Documents.
- k. Any cost associated with services subcontracted by the Contractor shall be, borne by, and be the complete responsibility of the Contractor under this fixed price contract.

**5.1.2 SITE CONDITIONS AND SERVICES:**

- a. Contractor shall be responsible for obtaining all licenses and permits necessary, in compliance with any laws, codes, and regulations applicable to the execution of this work.
- b. Contractor may use the area within the compound for operation of his construction equipment and may maintain temporary facilities with COR approval. The Contractor is responsible for obtaining any additional off-compound storage as may be necessary.
- c. Temporary electrical power and water will be provided by the Government at no cost to

the Contractor from existing lines and sources located at the building site. The characteristics and source locations may be verified by a visit to the site.

- d. Contractor shall provide ample temporary storage shed space for materials requiring shelter from the weather, and security and safety protection.
- e. Contractor shall be responsible for the professional quality, technical accuracy, and the coordination of all construction and other services furnished under this contract.
- f. Contractor shall, without additional compensation, correct or revise any errors or deficiencies in its construction and other services.
- g. Contractor shall keep the work area free from accumulation of waste materials and clean the site at the end of each work day.
- h. Contractor will not drop or throw materials from heights and shall dispose of materials removed under this contract at a legally approved disposal site, and shall adhere to all local laws, and requirements concerning removal, transporting, and proper disposal methods of said materials.
- i. At the end of each workday, or with notification of a temporary stop order, the Contractor shall temporarily seal the project area. Beginning the next workday, day day Contractor shall remove the temporary seal before continuing the project.
- j. At the end of the performance period for project completion, the Contractor shall perform a final cleanup to leave the project site in a clean and orderly condition acceptable to the COR.

#### **5.1.3 INSPECTIONS, COMPLETION AND ACCEPTANCE:**

- a. The COR has the right to conduct inspections or perform any tests deemed necessary, at all times and places to the extent practicable, to determine conformance with the requirements of the specifications during the term of the contract.
- b. If any of the Contractor's services do not conform to the contract requirements, the COR may require the Contractor to perform the services again in conformity with the contract requirements. COR may by contract or otherwise, perform the services and charge the Contractor any cost incurred by US Embassy Islamabad that is directly related to the performance of such service or terminate the contract for default.
- c. Contractor shall be and remain liable to CDA Islamabad in accordance with applicable laws for all damages to United States Government property caused by the Contractor's negligence in the performance of any of the services furnished under this contract.
- d. Contractor shall perform all the necessary corrections/adjustments as identified as per Punch List conducted by the COR.
- e. Contractor shall warrantee work to be free of defects and workmanship for a period of 1 year from date of acceptance.

#### **6.0 DELIVERABLES, SCHEDULE AND PERIOD OF PERFORMANCE:**

- a. Contractor shall be responsible for developing the Construction Timeline and Schedule of Deliverables acceptable to the COR prior to commencement of the construction.
- b. *Contractor's Timeline Schedule shall focus on all work to be performed, to ensure proper sequencing and avoid conflicts or any damage to completed work, as the work progresses from delivery to installation and through completion.*
- c. *Contractor shall complete all work under this Contract within forty five (45) working days (or such time frame as initially approved by COR) - from the date of receipt of the Notice to Proceed (NTP).*
- d. *The project start date is to be made as soon as possible and is expected to begin upon receipt of NTP.*

- e. Liquidated damages shall be assessed at Rs 10000.00 PKR per day for any delays past the Twenty (or other Time Frame as requested and approved by COR) performance days from NTP.
- f. *Work time will be from 0800 hrs to 1800 hrs Monday through Saturday.*

#### **7.0. CLEANING**

- a. Contractor shall oversee cleaning to ensure that building and grounds are maintained free from accumulations of excavation/waste materials, debris and rubbish, to avoid unsightly and dangerous conditions at all the times.
- b. Contractor may sprinkle dusty debris lightly, with very fine water mist to control accumulation of dust, but not in quantity so as to puddle.
- c. Contractor shall keep streets and access to the site free of rubbish and debris at all times. Upon completion of work, Contractor shall clean any splattered surfaces, and remove all splattered or excess materials, by proper methods of washing and scraping, using care not to scratch or otherwise damage any finished surfaces.
- d. Upon completion of work, Contractor shall clean all affected areas and surroundings, including street side.

#### **8.0. APPENDIX: Complete List as follows:**

Appendix # 1 – List of Drawings and Details

Appendix # 2 – Planting Plan Requirements

Appendix # 3 – Planting Specifications and Details

Appendix # 4 - Planting Pot Selections

Appendix # 5 – Lighting & Ceiling Fan Selections

Appendix # 6 – Standard Electrical Codes & Specifications  
(to be used for applicable sections only)

Appendix # 7 – Standard Plumbing Requirements & Specifications  
(to be used for applicable sections only)

Appendix # 8 – Safety requirements for Overseas Construction  
(to be used for applicable sections only)

### **END OF SCOPE OF WORK**

## APPENDIX # 1

### LIST OF DRAWINGS and DETAILS

1. Existing Conditions Plan (1"=10')
2. Proposed Landscape Site Plan (1"=10')  
Site Sections - for reference only (1/4"=1'-0")  
1-1 Site Section – thru Planter Berm and Sloped Flag Display Planter  
2-2 /4-4 Site Sections  
    – thru Planter Berm (at center), Concrete Walkway & Raised Planter  
    – thru Brick Entrance, Rose Garden, Raised Garden & Gravel Walk  
3-3 Site Section – thru Concrete Entrance to Flagpole Pad, Steps and Raised Platform
3. Front Yard – Layout Plan (1/8" = 1'-0")  
Construction Details - (1/2"=1'-0") as follows:  
A – Typical Sloped/Stone Planter Berm –at junction  
B – Typical Sloped/Stone Planter Berm –at center  
C – Entrance - Concrete Walkway to Flagpole with Brick Band/ Mowing Strip  
D – Mounded Rose Garden (transplanted) with Brick Mowing Strip  
E – Entrance – Typical Brick Pad with Brick Band/ Mowing Strip  
F - Entrance – Typical Gravel Walkway with Steel Edging & Brick Band/ Mowing Strip  
G – Raised Garden and Gravel Walkway, Sloped Planter with Mowing Strip  
H – Raised Concrete and Brick Platform, Steps and Planter Walls  
I – Raised Brick/Concrete Planter Walls with Brick Band/ Mowing Strip at the base  
J – Sloped Flag Display – Planter Walls and Brick Band/ Mowing Strip
4. Back Yard - Layout Plan (1/8"=1'-0")  
Construction Details (1/2"=1'-0") as follows:  
K – Permeable, (Irregular) Flagstone Walkway with Gravel Drainage Trench  
L – Permeable Flagstone Walkway and Gravel Path (to Ex. Pond Feature)  
M – Permeable Flagstone Walkway w/ Stone Edge/Mowing Strip and Gravel Drainage Trench - at base of existing Terrace Steps)  
N – Expanded Planter with Stone Edge/Mowing Strip and Gravel Drainage Trench – base of existing Terrace Platform
5. Entertainment Area –  
Platform Layout Plan and Elevation (1/4" = 1'-0")  
    O - Elevation – Raised Platform with Roof Structure, BBQ and Bar (incl. above)  
Roof Layout Plan and Elevation (1/4" = 1'-0")  
    O - Elevation – Raised Platform with Roof Structure, BBQ and Bar (incl. above)  
Construction Details (1/2"=1'-0") as follows:  
P – Section at Roof Structure, Raised Flagstone & Concrete Platform, Steps and Expanded Stone Mowing Strip  
Q – Section at Bar, Raised Flagstone & Concrete Platform, Stone Wall, Planter w/Stone Mowing Strip, and Roof Structure  
R – Section at BBQ Area  
S – Privacy Screen / Trellis – Section, Partial Elevation
6. Overall Lighting Plan (1"=10')
7. Entertainment Area Lighting Plan (1/4"=1'-0")  
    O - Elevation – Raised Platform with Roof Structure, BBQ and Bar (incl. above)

Existing Plant List

KEY	QTY	TYPE	COMMON NAME	SIZE
D1	6	Tree, ex. deciduous	Allestonia	
D2	1	Tree, ex. deciduous	Bori	
D3	1	Tree, ex. deciduous	Cassia	
D4	1	Tree, ex. deciduous	Ficus	
D5	1	Tree, ex. deciduous	Mango	
D6	1	Tree, ex. deciduous	Mosley	
D7	1	Tree, ex. deciduous	Talis	
E1	1	Tree, ex. evergreen	Cypress	
H1	unk.	Shrub, ex. hedge	Duranta gold	
H2	unk.	Shrub, ex. hedge	Ficus	
O1	4	Tree, ex. ornamental	Lemon	
O2	2	Tree, ex. ornamental	Orange	
O3	1	Tree, ex. ornamental	Pomegranate	
O4	1	Tree, ex. ornamental	unknown	
P1	14	Palm, existing	Red Oil Palm	
P2	3	Palm, existing	Table Palm	
P3	1	Palm, existing	Washington Palm	
R1	unk.	Roses, existing	miscellaneous Roses	
S1	unk.	Shrub, existing	Dracaenia, green	
W1	3+	Espaliere, existing	Bougainvillea	

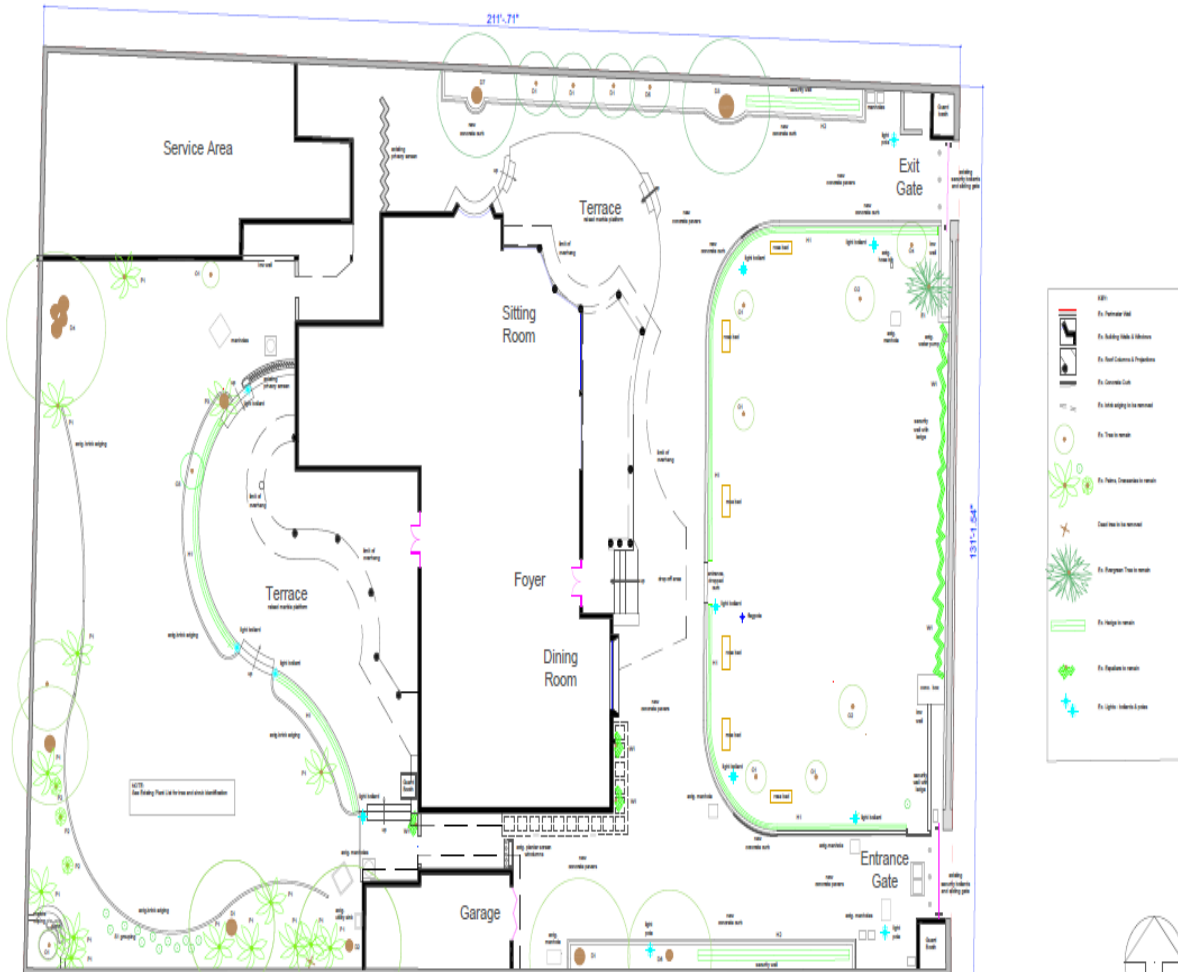
## CGR Lahore - Landscape Renovation EXISTING CONDITIONS PLAN

Scale: 1"= 10'-0"

Design by: Cecilia B. de Kanga, MLA

Facilities Maintenance QC Project Coordinator, Islamabad

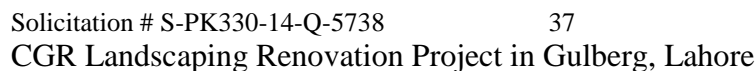
Date: 08-05-2014



1. All drainage pipes shown in the Entertainment Area platform, shall be connected to weep holes per the drawing, as shown.
2. All perforated drainage pipes in the gravel trench drain areas shown, shall be linked to either gravel dry well/pit collection areas and/or connected directly to existing storm drain system. Provide all connectors and drainage pipes necessary.
3. Low point (LP) and High point (HP) locations shown are suggested to allow for re-grading the turf/lawn areas to achieve adequate & smooth surface drainage. Elevations shall be determined after proper topographic survey is obtained showing existing drainage inlets and spot elevations, and including connection points to existing storm drainage.

1. See APPENDIX # 2 for Planting Plan Requirements, listing suggested plant materials for each Planting Bed/ Planter, numbered sequentially, as shown on drawing, and APPENDIX # 3 for Planting Specifications & Details
2. All new plants (trees, palms, shrubs, vines, ground covers and flowering plants, including for proposed pots and Planting Beds mentioned above) as shown on drawings, shall be pre-approved by COR.
3. See APPENDIX # 4 for Planting Pot Selection, listing varieties and quantities of specific pots required, including plants.
4. All pot selections shall be pre-approved prior to installation by COR and/or representative.
5. Provide samples of various soil improvements and mulches, to be approved by COR

Date: 08-05-2014

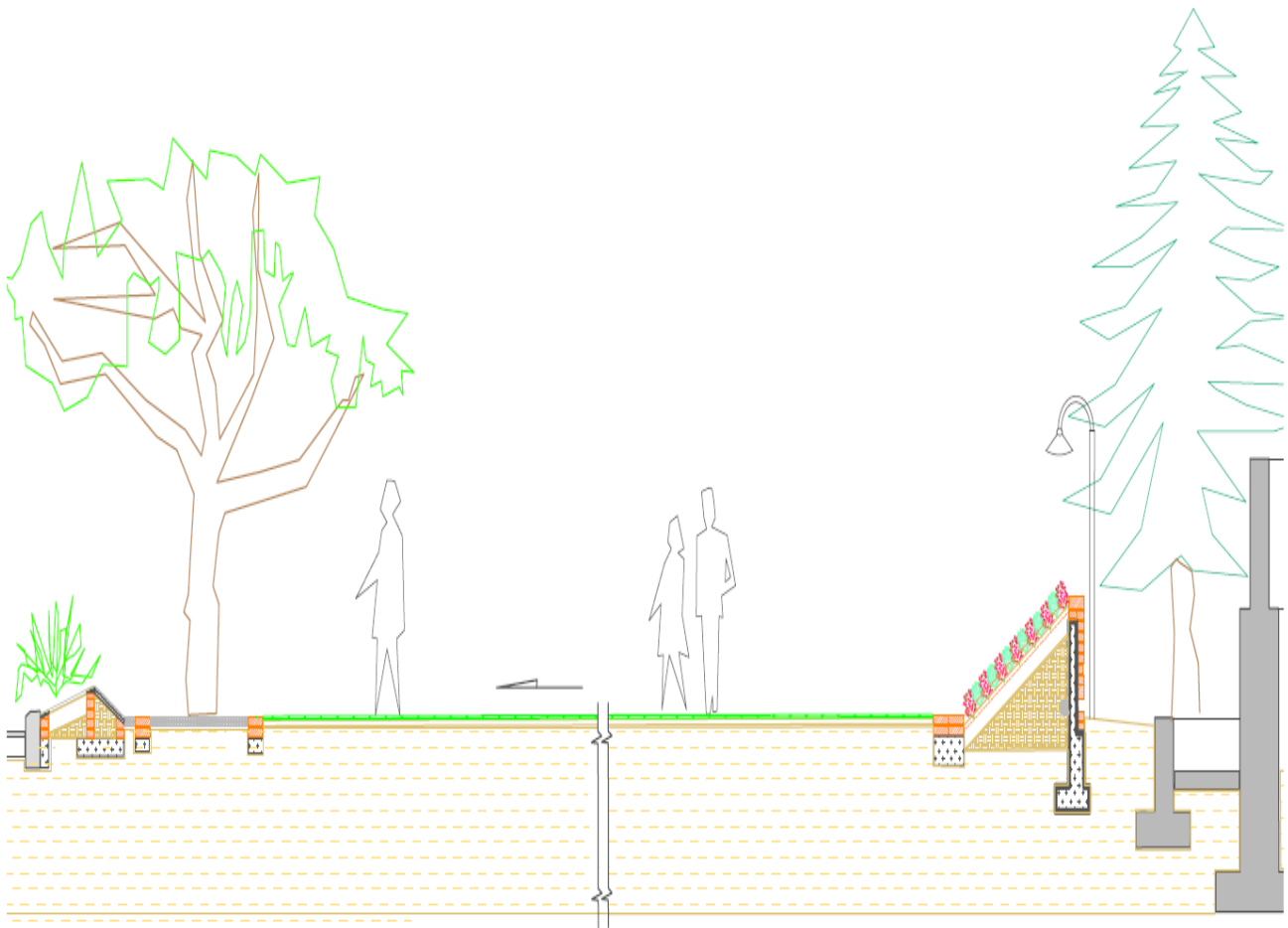


## SITE SECTIONS

Scale: 1/4" = 1' - 0"

Dwg by: Cecilia B. de Kanga, MLA

Date: 07-25-2014



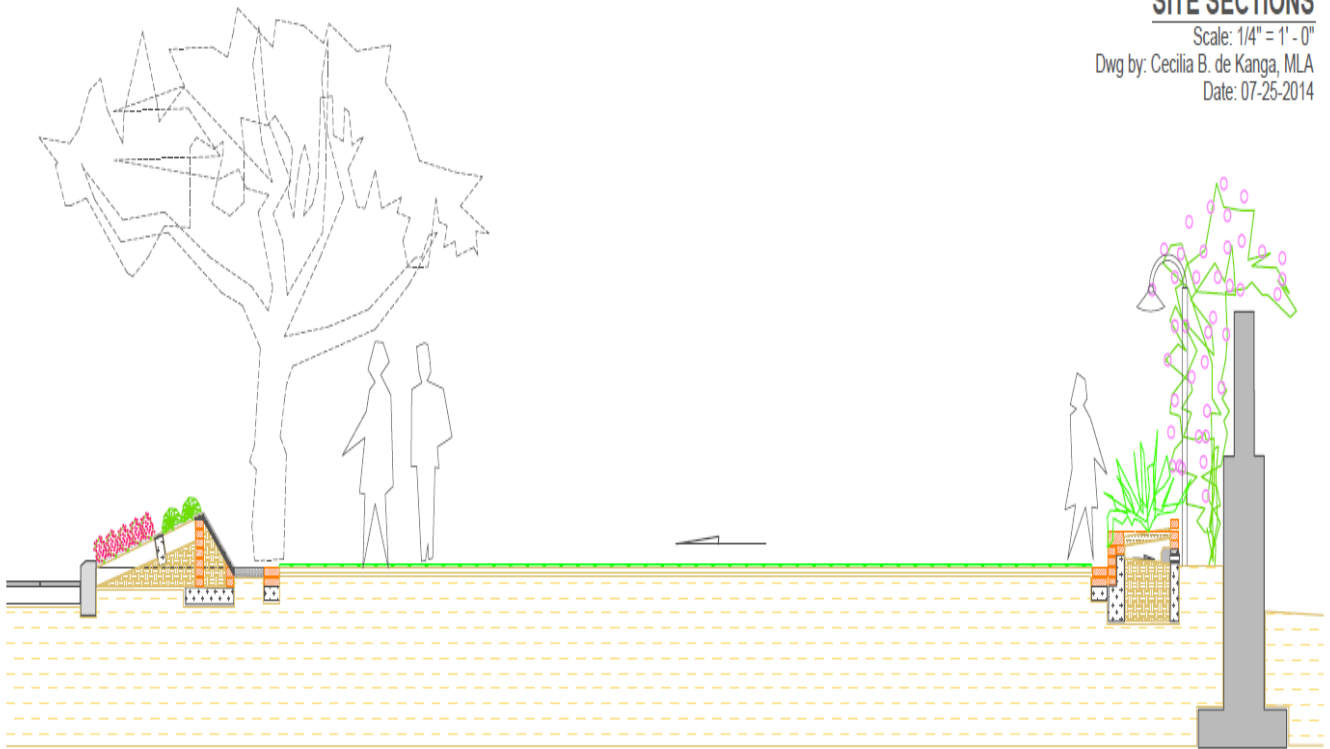
1-1 SITE SECTION - thru Planter Berm (at junction) and Sloped Flag Display Planter

# **SITE SECTIONS**

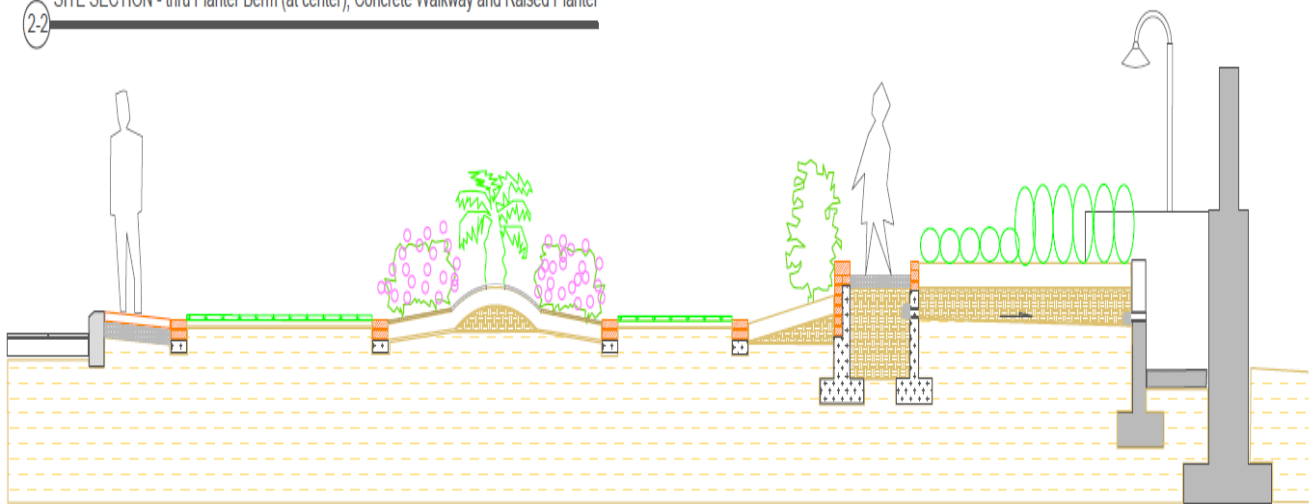
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Dwg by: Cecilia B. de Kanga, MLA

Date: 07-25-2014



2-2 SITE SECTION - thru Planter Berm (at center), Concrete Walkway and Raised Planter



4-4 SITE SECTION - thru Brick Entrance, Rose Garden, Raised Garden and Gravel Walkway



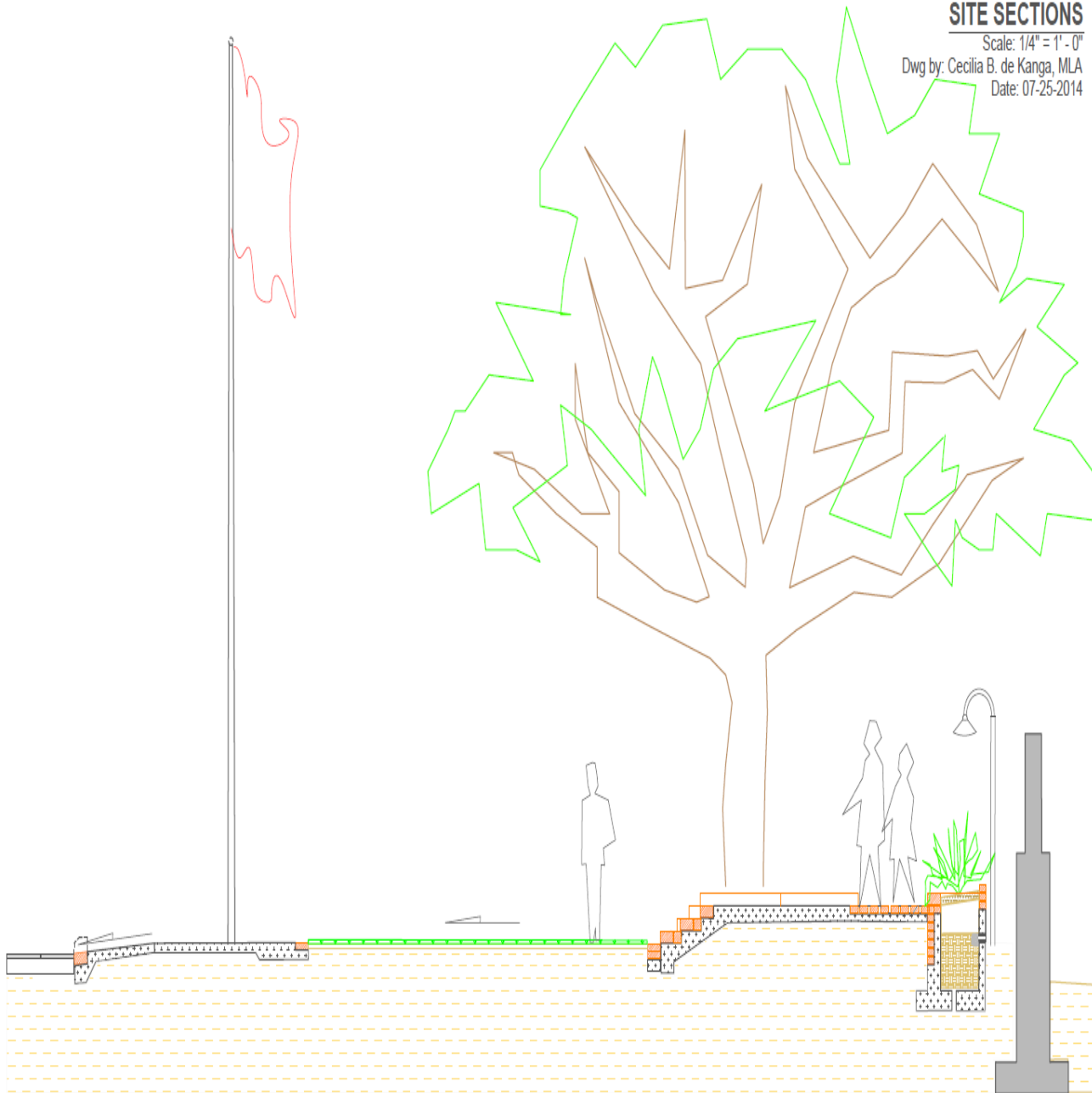
CGR Lahore - Landscape Renovation

## SITE SECTIONS

Scale: 1/4" = 1' - 0"

Dwg by: Cecilia B. de Kanga, MLA

Date: 07-25-2014



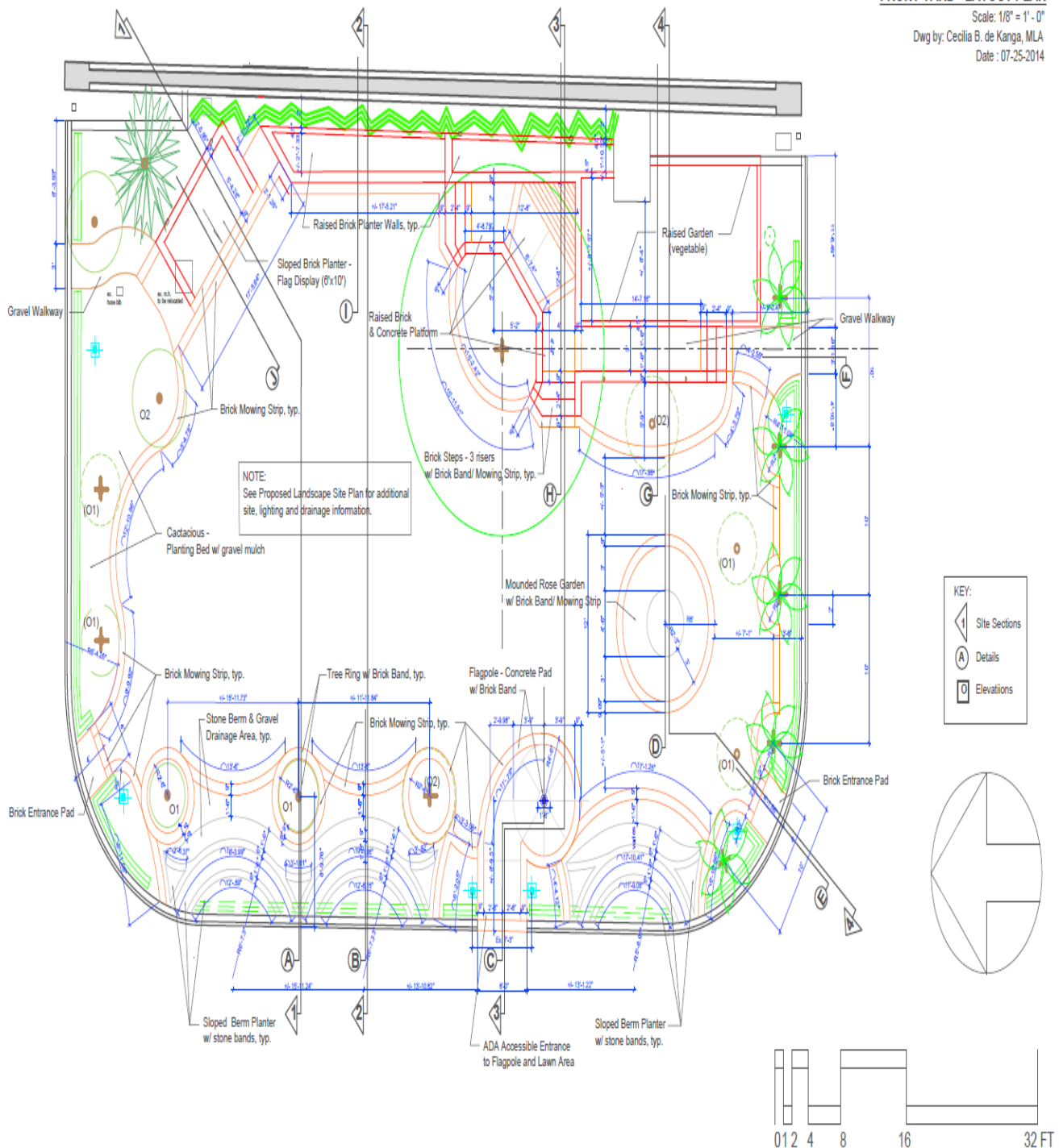
3-3 SITE SECTION - thru Concrete Ramp Entrance, Flagpole Pad, Steps and Raised Platform

CGR Lahore - Landscape Renovation  
**FRONT YARD - LAYOUT PLAN**

Scale: 1/8" = 1' - 0"

Dwg by: Cecilia B. de Kanga, MLA

Date : 07-25-2014

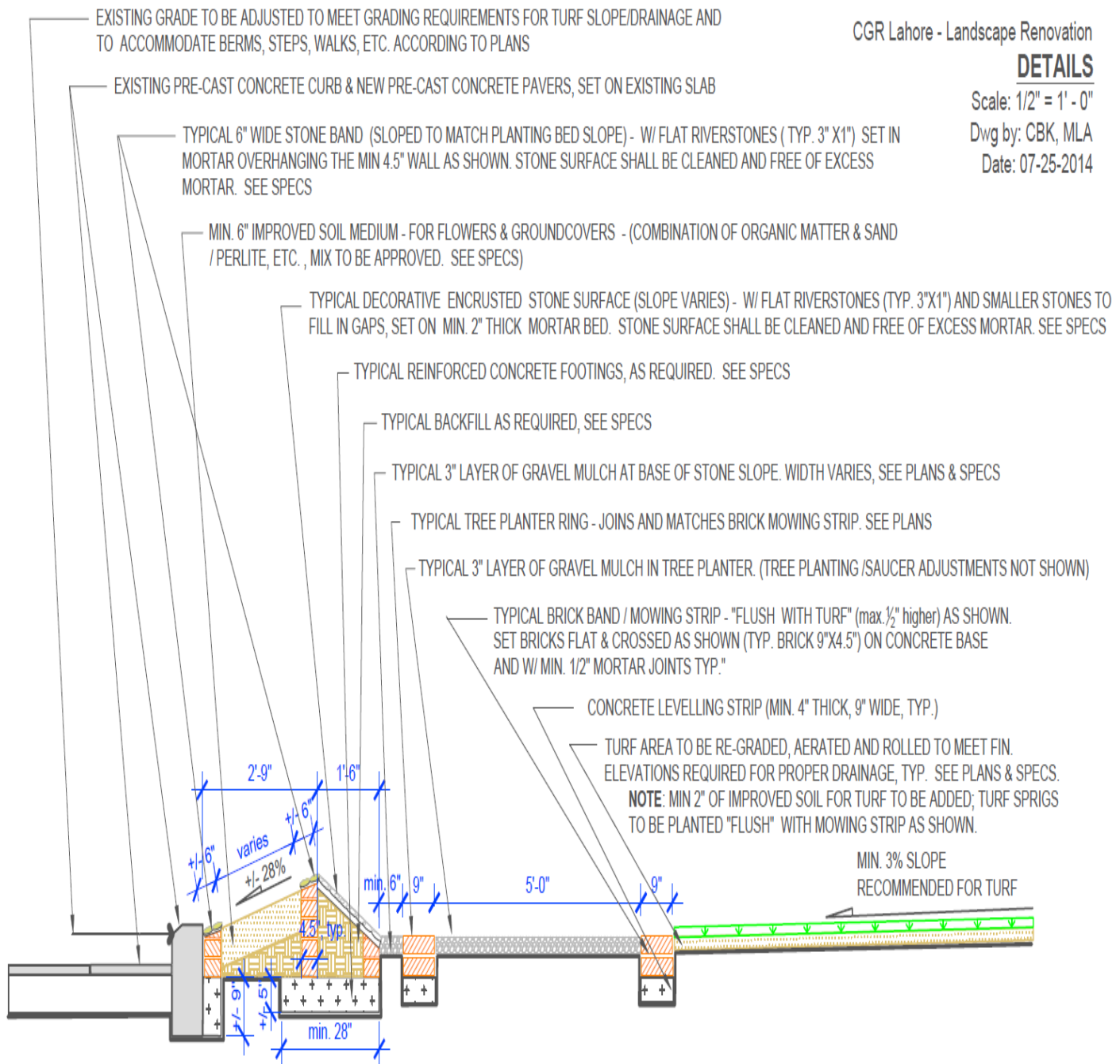


**DETAILS**

Scale: 1/2" = 1' - 0"

Dwg by: CBK, MLA

Date: 07-25-2014



A Typical Sloped / Stone Planter Berm - at junction

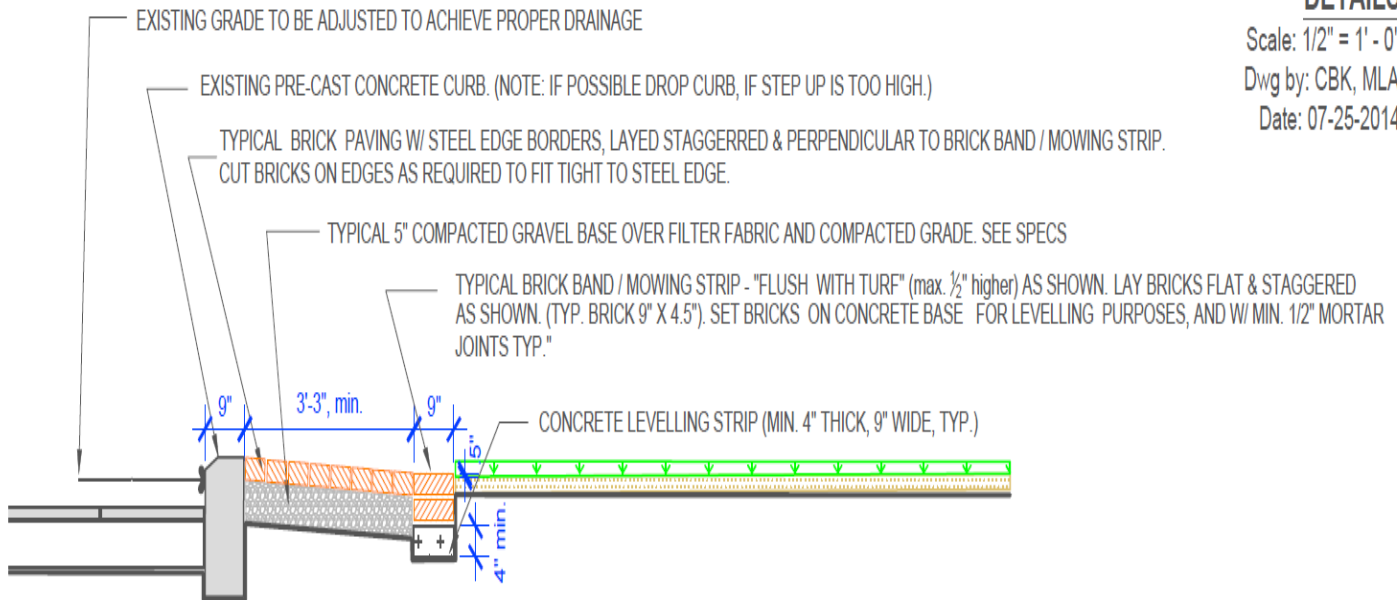


**DETAILS**

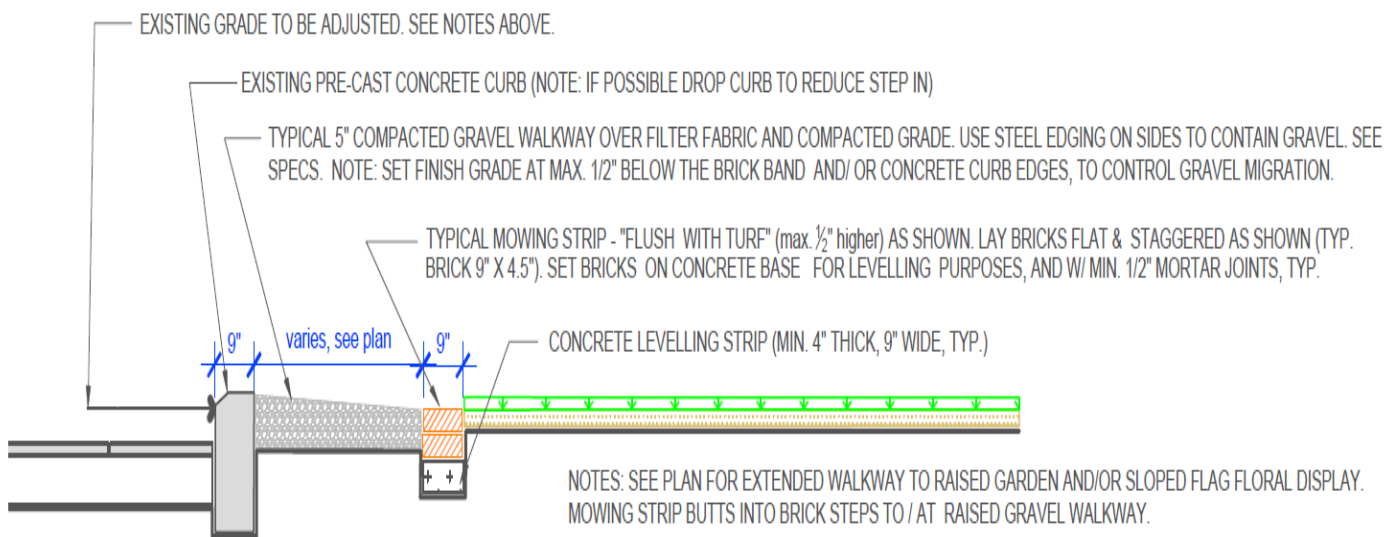
Scale: 1/2" = 1' - 0"

Dwg by: CBK, MLA

Date: 07-25-2014



**E** Entrance - Typical Brick Pad with Brick Band / Mowing Strip



**F** Entrance - Typical Gravel Walkway with Steel Edging and Brick Band / Mowing Strip

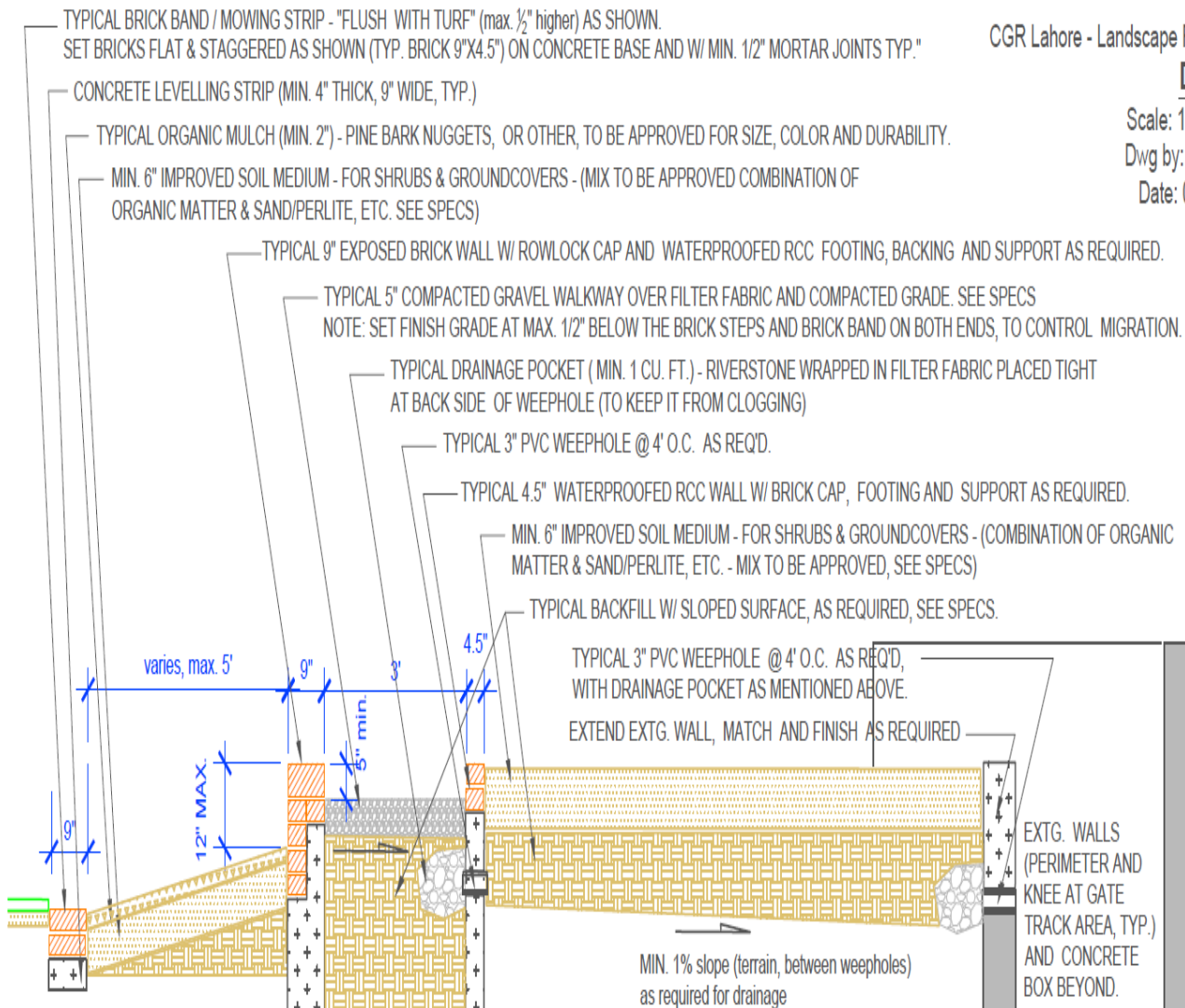


**DETAILS**

Scale: 1/2" = 1' - 0"

Dwg by: CBK, MLA

Date: 07-25-2014

**NOTES:**

1 - REINFORCED CONCRETE WALLS & FOOTINGS W/ #4 VERTICAL REBARS @ 8" O.C. AND #3 HORIZONTAL REBARS @ 12" O.C., TYPICAL THROUGHOUT. DEPTH & WIDTH MAY BE ADJUSTED AS REQUIRED, BUT SHALL BE VERIFIED TO BE STRUCTURALLY SOUND.

2 - CONCRETE SHALL BE CURED AND PARGED (WATERPROOFED) AS REQUIRED PRIOR TO ADDING BRICK FACING AND/OR PLASTER, TYPICAL.

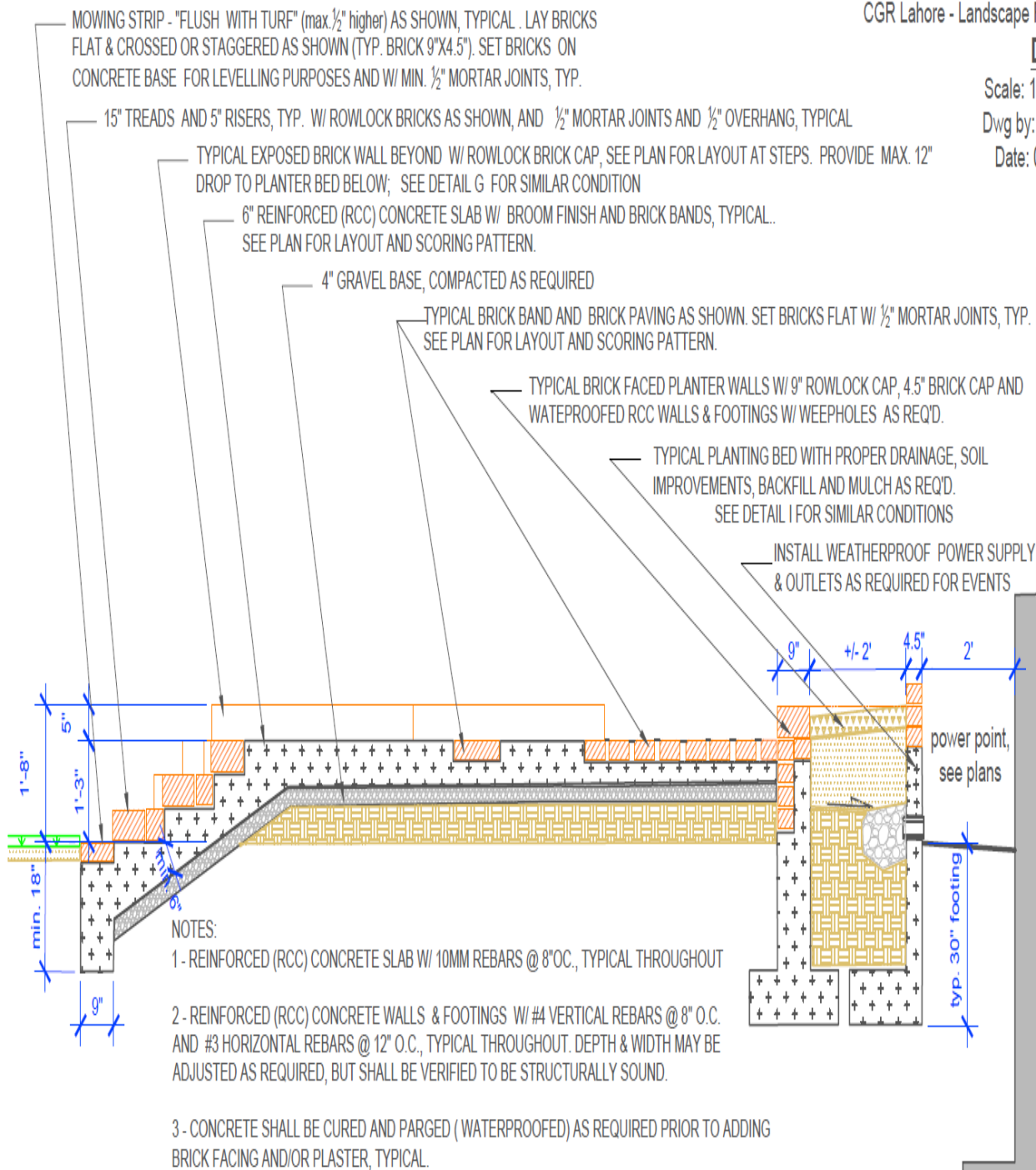
**G** Raised Garden and Gravel Walkway, Sloped Planter with Mowing Strip

**DETAILS**

Scale: 1/2" = 1' - 0"

Dwg by: CBK, MLA

Date: 07-25-2014



(H) Raised Concrete and Brick Platform, Steps and Planter Walls

# DETAILS

Scale: 1/2" = 1' - 0"

Dwg by: CBK, MLA

Date: 07-25-2014

EXISTING FRONT/ PERIMETER WALL WITH LEDGES, TYPICAL

TYPICAL 4.5" CONCRETE (RCC) WALL W/ BRICK CAP AS SHOWN, FOOTING AND SUPPORT AS REQUIRED.

TYPICAL 3" PVC WEEPHOLE @ 4' O.C. AS REQ'D.

TYPICAL DRAINAGE POCKET ( MIN. 1 CU. FT.) - RIVERSTONE WRAPPED IN FILTER FABRIC PLACED TIGHT AT BACK SIDE OF WEEPHOLE (TO KEEP IT FROM CLOGGING)

TYPICAL ORGANIC MULCH (MIN. 2") - PINE BARK NUGGETS, OR OTHER, TO BE APPROVED FOR SIZE, COLOR AND DURABILITY.

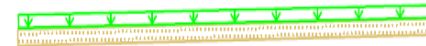
MIN. 6" IMPROVED SOIL MEDIUM - FOR SHRUBS & GROUNDCOVERS - (COMBINATION OF ORGANIC MATTER & SAND/PERLITE, ETC. - MIX TO BE APPROVED, SEE SPECS)

TYPICAL BACKFILL (SEE SPECS), SLOPE SURFACE TOWARDS DRAINAGE POINTS , AS REQUIRED

TYPICAL 9" EXPOSED BRICK WALL W/ ROWLOCK CAP AND CONCRETE (RCC) FOOTING, BACKING AND SUPPORT AS REQUIRED.

TYPICAL MOWING STRIP - "FLUSH WITH TURF" (max. 1/2" higher) AS SHOWN. LAY BRICKS FLAT & CROSSED OR STAGGERED AS SHOWN (TYP. BRICK 9"x4.5"). SET BRICKS ON CONCRETE BASE FOR LEVELLING PURPOSES AND W/ MIN. 1/2" MORTAR JOINTS, TYP.

MIN. 3% SLOPE  
RECOMMENDED FOR TURF



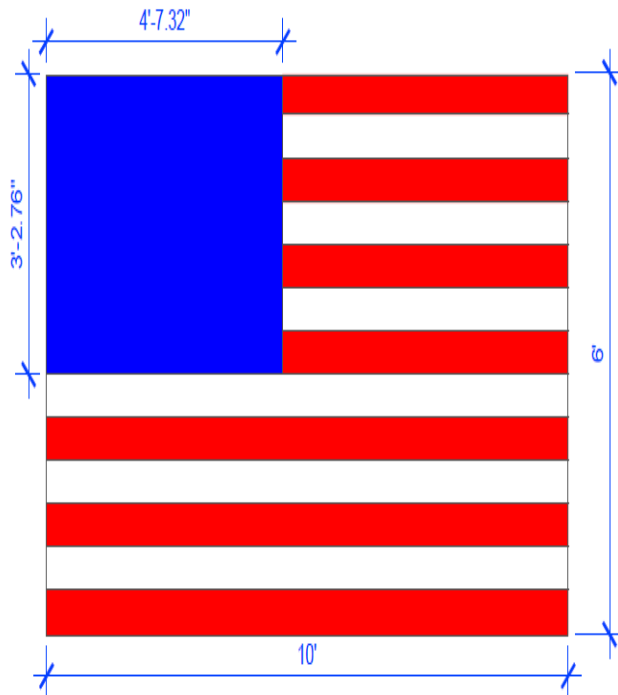
## NOTES:

1 - REINFORCED CONCRETE WALLS & FOOTINGS W/ #4 VERTICAL REBARS @ 8" O.C. AND #3 HORIZONTAL REBARS @ 12" O.C., TYPICAL THROUGHOUT. DEPTH & WIDTH MAY BE ADJUSTED AS REQUIRED, BUT SHALL BE VERIFIED TO BE STRUCTURALLY SOUND.

2 - CONCRETE SHALL BE CURED AND PARGED ( WATERPROOFED) AS REQUIRED PRIOR TO ADDING BRICK FACING AND/OR PLASTER, TYPICAL.

1 Raised Brick / Concrete Planter Walls with Brick Band / Mowing Strip at the base





#### SLOPED FLAG DISPLAY -

shall be planted in either of 2 options as follows:

Option 1 - plant each color field (red, white or blue) with appropriate plants that will be sturdy or readily replaceable; examples: "Ageratum" for blue, "Iberis Sempervirens" for white, "Nantra" for red. Specimens should be small and appropriately spaced.

Option 2 - install a support rack system on which small plastic pots (typically square) are tightly placed with appropriate plants, as mentioned above, or other rotational plants that can be easily replaced seasonally.

NOTES: Soil medium should be appropriate for either option and as required for the different plants for moisture retention and to avoid drying out, etc.

CGR Lahore - Landscape Renovation

#### DETAILS

Scale: 1/2" = 1' - 0"

Dwg by: CBK, MLA

Date: 07-25-2014

TYPICAL 9" EXPOSED BRICK WALL W/ ROWLOCK CAP AND CONCRETE (RCC) FOOTING, BACKING AND SUPPORT AS REQUIRED  
SEE SLOPED BRICK PLANTER WALL W/ ROWLOCK CAP (DASHED LINE AT END), TYPICAL

INSTALL WEATHERPROOF POWER SUPPLY & OUTLETS AS REQUIRED FOR EVENTS. SEE NOTES AND SPECS

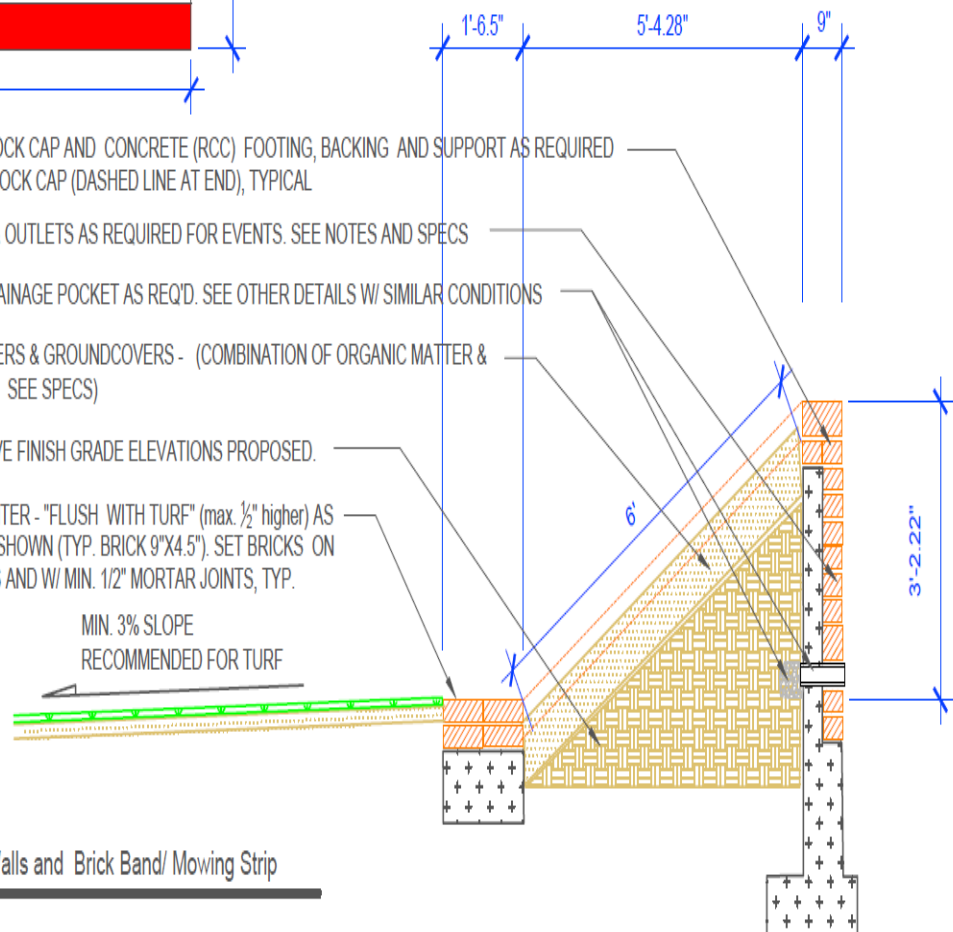
TYPICAL 3" PVC WEEPHOLE @ 4' O.C. W/ DRAINAGE POCKET AS REQ'D. SEE OTHER DETAILS W/ SIMILAR CONDITIONS

MIN. 6" IMPROVED SOIL MEDIUM - FOR FLOWERS & GROUNDCOVERS - (COMBINATION OF ORGANIC MATTER & SAND / PERLITE, ETC.. MIX TO BE APPROVED. SEE SPECS)

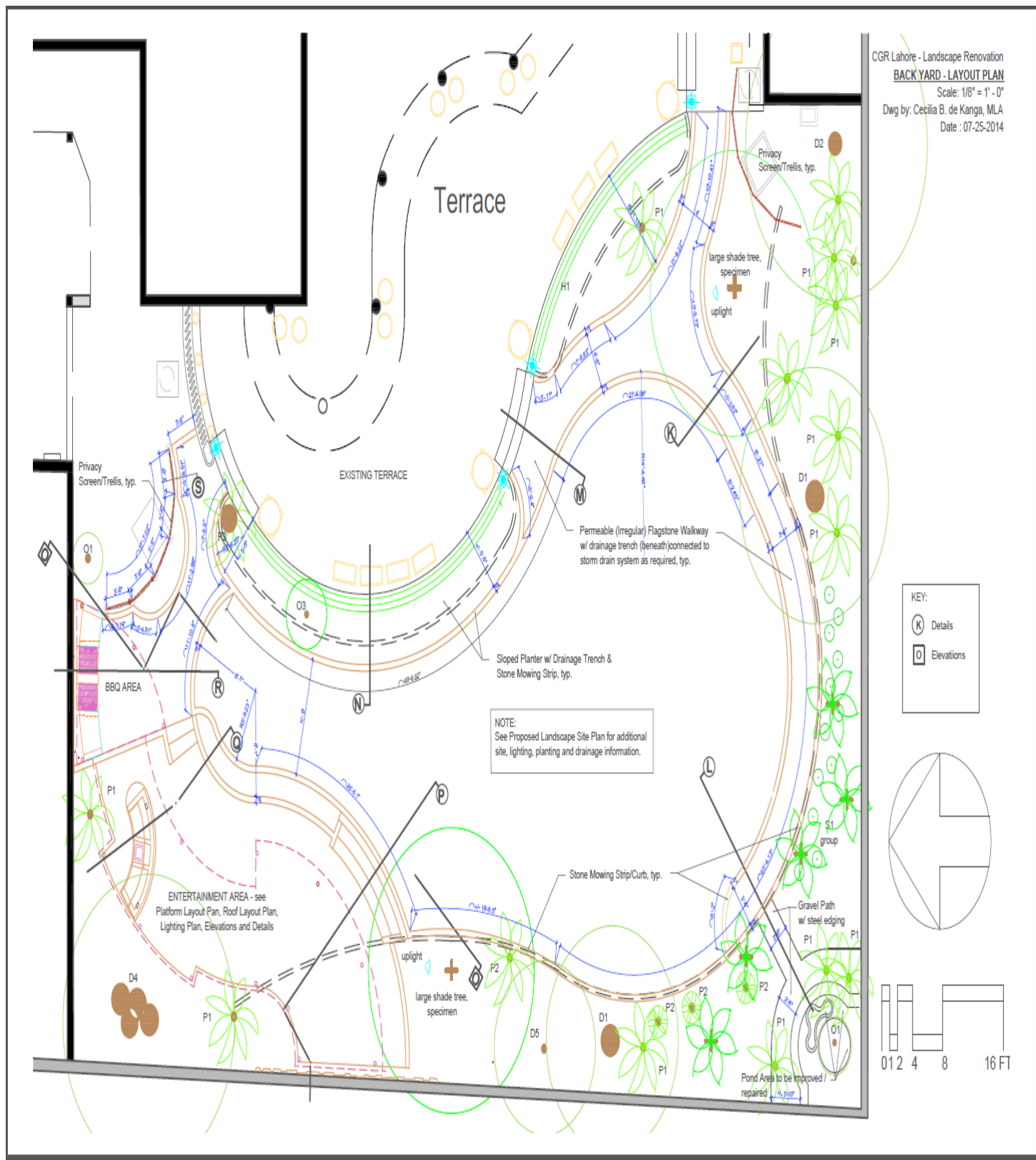
TYPICAL BACKFILL, AS REQUIRED, TO ACHIEVE FINISH GRADE ELEVATIONS PROPOSED.

TYPICAL MOWING STRIP PLUS BASE OF PLANTER - "FLUSH WITH TURF" (max. 1/2" higher) AS SHOWN. LAY BRICKS FLAT & STAGGERED AS SHOWN (TYP. BRICK 9"x4.5"). SET BRICKS ON CONCRETE BASE FOR LEVELLING PURPOSES AND W/ MIN. 1/2" MORTAR JOINTS, TYP.

MIN. 3% SLOPE  
RECOMMENDED FOR TURF



J Sloped Flag Display - Planter Walls and Brick Band/ Mowing Strip



**DETAILS**

Scale: 1/2" = 1' - 0"

Dwg by: CBK, MLA

Date: 07-25-2014

TYPICAL PLANTING BED, SLOPED FOR DRAINAGE, W/ ORGANIC MULCH (MIN. 2" PINE BARK NUGGETS, OR OTHER, TO BE APPROVED FOR SIZE, COLOR AND DURABILITY.

MIN. 6" IMPROVED SOIL MEDIUM - FOR SHRUBS & GROUNDCOVERS - (COMBINATION OF ORGANIC MATTER & SAND/PERLITE, ETC. - MIX TO BE APPROVED, SEE SPECS)

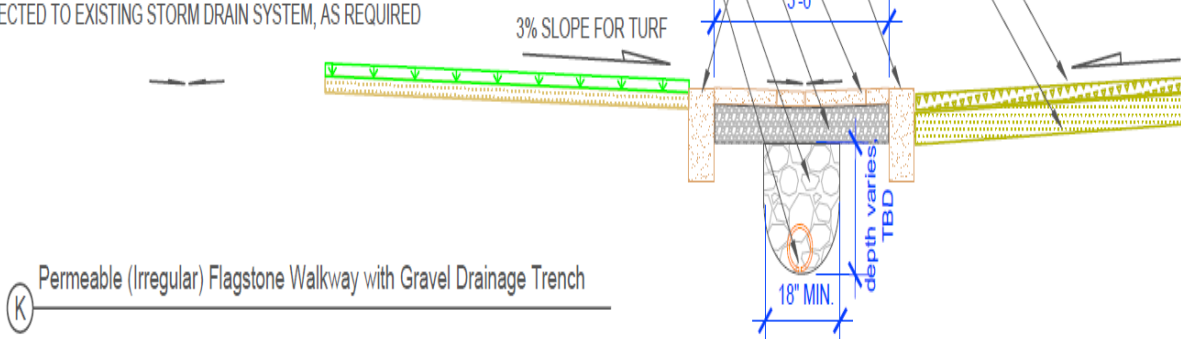
6" STONE MOWING STRIP ( 6"X 9" X 12" STONE BLOCK/CURB W/ MORTAR JOINTS), TYP.

IRREGULAR FLAGSTONE PAVERS, SLOPED AS REQUIRED, FILLED IN WITH CRUSHED STONE DUST, TYP.

5" COMPACTED GRAVEL BASE W/ FILTER FABRIC OVER COMPACTED GRADE, SLOPED TO DRAIN, TYP.

18" TRENCH DRAIN W/ RIVERSTONE WRAPPED IN FILTER FABRIC, SLOPED TO DRAIN

6" PVC PERFORATED PIPE ( BOTTOM ONLY), SLOPED TO DRAIN TOWARDS GRAVEL PIT/DRY WELL, CONNECTED TO EXISTING STORM DRAIN SYSTEM, AS REQUIRED



(K) Permeable (Irregular) Flagstone Walkway with Gravel Drainage Trench

6" STONE MOWING STRIP / CURB ( 6"X 9" X 12" STONE BLOCK W/ MORTAR JOINTS), TYP.

IRREGULAR FLAGSTONE PAVERS, SLOPED TOWARDS CENTER DRAINAGE, AS REQ'D, FILL JOINTS / GAPS WITH CRUSHED STONE DUST, TYP.

5" COMPACTED GRAVEL BASE, SAME AS ABOVE, TYP. EXCAVATE OR BACKFILL AS REQUIRED TO ACHIEVE GRADE & DRAINAGE

18" TRENCH DRAIN, SAME AS ABOVE. DEPTH VARIES TO ACHIEVE REQUIRED SLOPE FOR PROPER DRAINAGE

6" PVC PERFORATED PIPE ( BOTTOM ONLY), SLOPED TO DRAIN, SAME AS ABOVE, TYP.

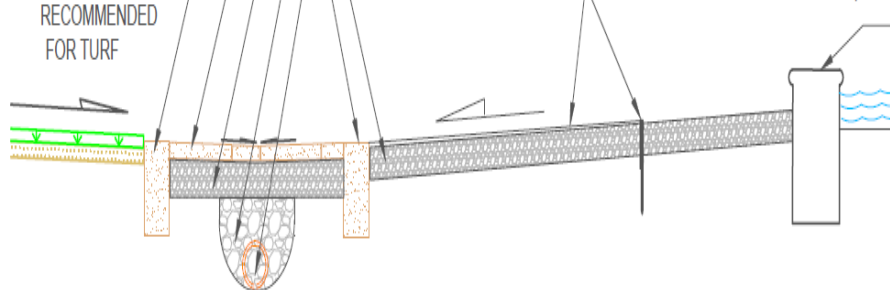
5" COMPACTED GRAVEL WALKWAY, SAME AS ABOVE, TYP. SLOPE TO DRAIN & ADJUST AROUND EX. PALMS & POND AS REQ'D.

NOTE: SET FINISH GRADE AT MAX. 1/2" BELOW THE STONE CURB & STEEL EDGING (ON SIDES AS REQ'D), TO CONTROL MIGRATION.

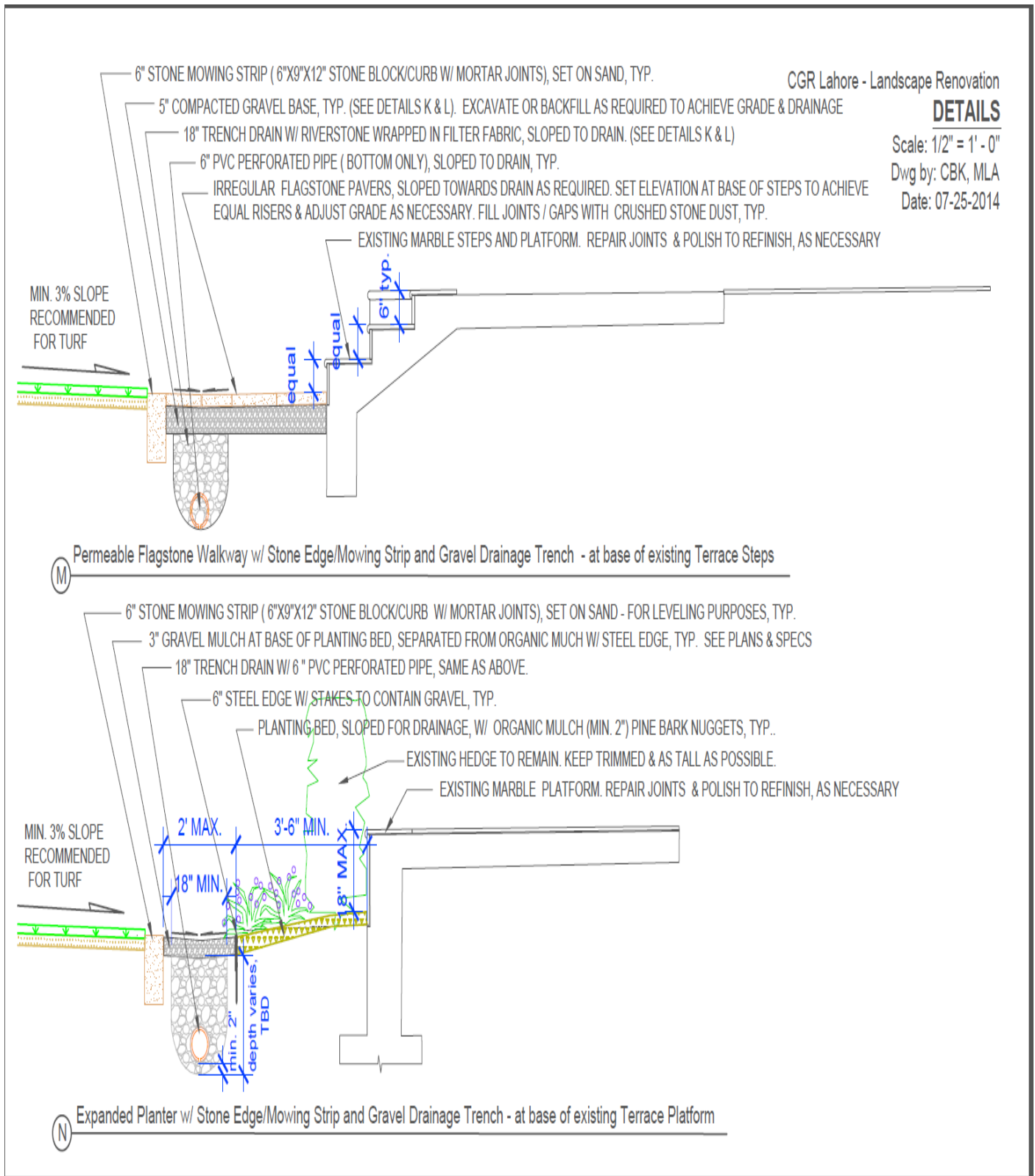
MIN. 3% SLOPE  
RECOMMENDED  
FOR TURF

NOTE: 6" STEEL EDGE W/ STAKES (BEYOND AND ON SIDES, SEE PLAN), TO CONTAIN GRAVEL, TYP.

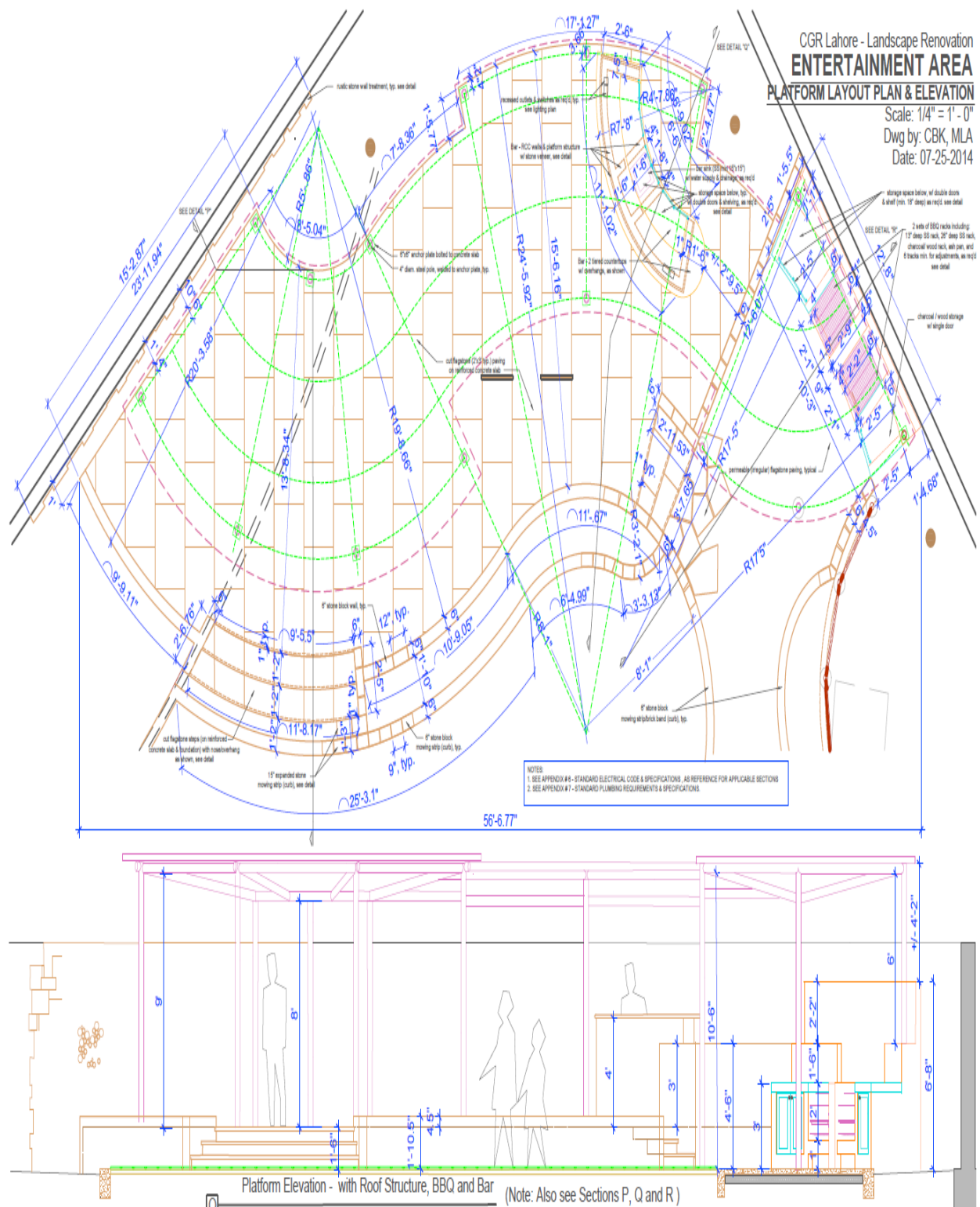
EXISTING MARBLE COPING/WALL. ENTIRE POND / FOUNTAIN  
FEATURE TO BE REPAIRED - INCORPORATE AQUATIC  
PLANTS, OR CONVERT TO PLANTER, AS DIRECTED AND REQ'D.

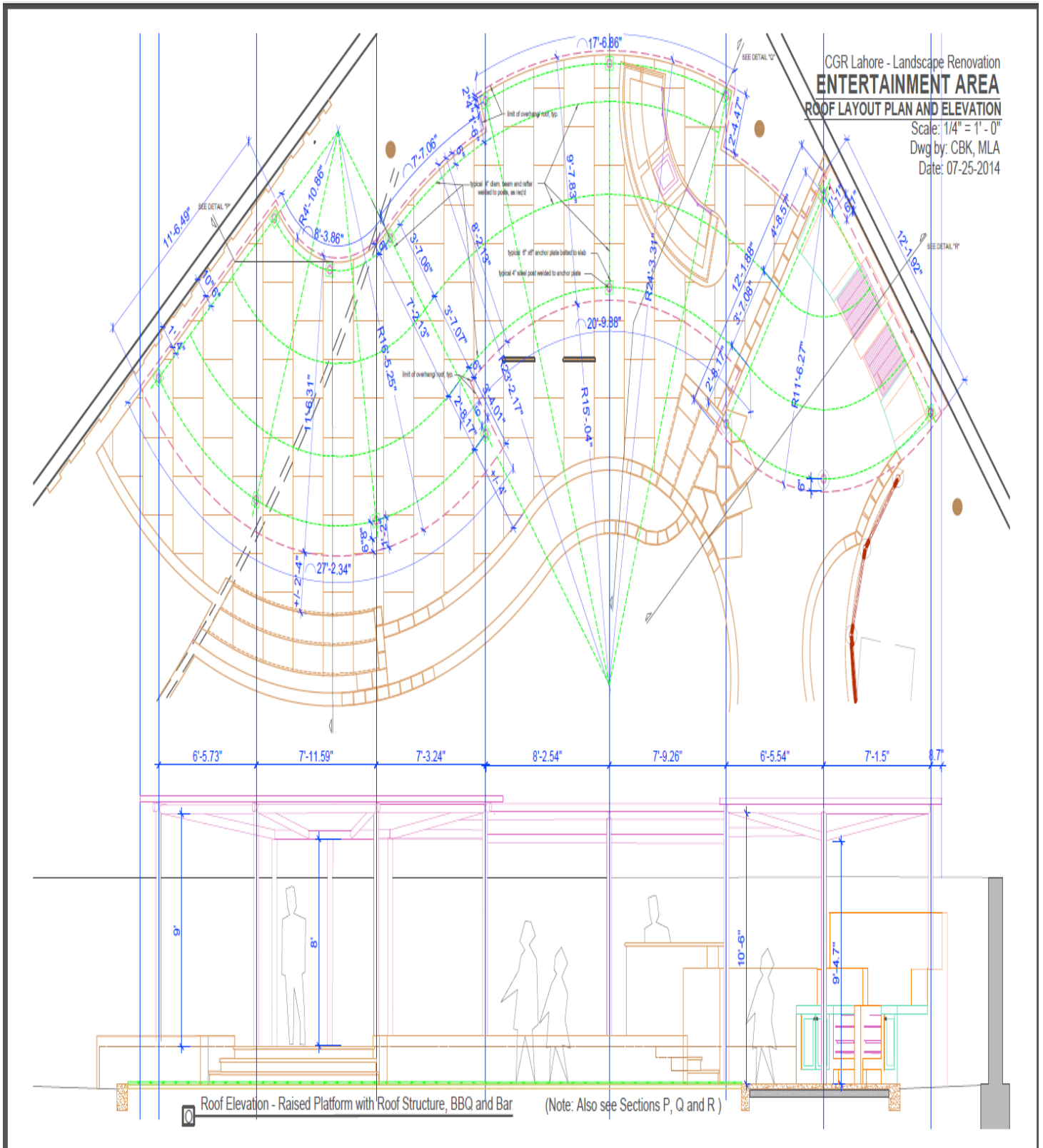


(L) Permeable (Irregular) Flagstone Walkway and Gravel Path (to Ex. Pond Feature)









**DETAILS**

Scale: 1/2" = 1' - 0"

Dwg by: CBK, MLA

Date: 07-25-2014

TYP. INSULATED CORE ROOFING PANELS W/ METAL BORDER/ FACIA AND DRIP EDGE, AS REQUIRED. CUT ROOF PANELS TO ACHIEVE ARCS AS SHOWN. PROVIDE ALL REQUIRED JOINT & WATERPROOF SEALS AT RIDGES AND VALLEYS. SEE ROOF LAYOUT PLAN.  
NOTE: FLAT SHEET METAL OR OTHER ROOFING MEMBRANE MAY BE APPLIED ON TOP TO MINIMIZE CUTS AND JOINTS

TYP. 4" DIAM. STEEL POST & BEAM CONSTRUCTION, W/ WELDED JOINTS AS REQUIRED. SET SEGMENTS RADIALLY, ADJUST SPACING AS MAY BE REQUIRED TO SUPPORT ROOF PANELS (TYP. 4' WIDE). SEE ROOF LAYOUT PLAN

**NOTE: CONTRACTOR TO PROVIDE DRAWINGS FOR ALTERNATE ROOF STRUCTURE, PREFERABLY WITH WEATHER & TERMITE RESISTANT / TREATED WOOD AND/OR BAMBOO CONSTRUCTION AND ALTERNATE ROOFING MATERIAL BETTER SUITED FOR THE CURVILINEAR DESIGN.**

TYP. CUT FLAGSTONE STEPS / PAVING, W/ 1/2" MORTAR JOINTS OVER 6" REINFORCED CONCRETE W/ 4" COMPACTED GRAVEL BASE, TYP. SEE LAYOUT PLAN

TYP. CUT STONE BLOCKS (6"x9"x12")  
EXPANDED MOWING STRIP: CURB W/ MORTAR JOINTS & FILLER DRY SET, ON SAND FOR LEVELING PURPOSES, TYP. SEE LAYOUT PLAN

MIN. 3% SLOPE  
RECOMMENDED FOR TURF

CEILING FAN - FOR EXTERIOR USE.  
SELECTION TO BE APPROVED

RUSTIC STONE WALL TREATMENT APPLIED OVER EXTG. WALL (PARGED AS REQ'D) INCLUDES VARIOUS TYPES AND SHAPES OF STONES, POCKETS & LEDGES (OR WALL MOUNT POTS) FOR PLANTS.  
DESIGN & SAMPLES OF MATERIALS TO BE APPROVED. SEE LAYOUT PLAN FOR EXTENT.

MIN. 9"

MIN. 7'-5"

MIN. 8"

+/- 8' existing wall

TRENCH DRAIN (RIVERSTONE WRAPPED IN FILTER FABRIC) W/ 6" PVC PERFORATED PIPE, SLOPED AS REQ'D

PEBBLE MULCH, AS REQ'D

TYP. 4" DIAM. STEEL POST WELDED TO 6"x6" ANCHOR PLATE BOLTED INTO FOOTING / SLAB AS REQUIRED

MIN 1% slope

COLUMN FOOTINGS, AND PERIMETER FOUNDATION, AS REQ'D

**NOTES:**

- 1 - REINFORCED (RCC) CONCRETE SLAB W/ 10MM REBARS @ 8" O.C., TYP. THROUGHOUT
- 2 - REINFORCED (RCC) CONCRETE WALLS & FOOTINGS W/ #4 VERTICAL REBARS @ 8" O.C. AND #3 HORIZONTAL REBARS @ 12" O.C., TYPICAL THROUGHOUT. DEPTH & WIDTH MAY BE ADJUSTED AS REQ'D, BUT SHALL BE VERIFIED TO BE STRUCTURALLY SOUND.
- 3 - CONCRETE SHALL BE CURED AND PARGED (WATERPROOFED) AS REQUIRED PRIOR TO ADDING STONE FACING, TYPICAL.

**P** Section at Roof Structure, Raised Flagstone & Concrete Platform, Steps and Expanded Stone Mowing Strip

Date: 07-25-2014

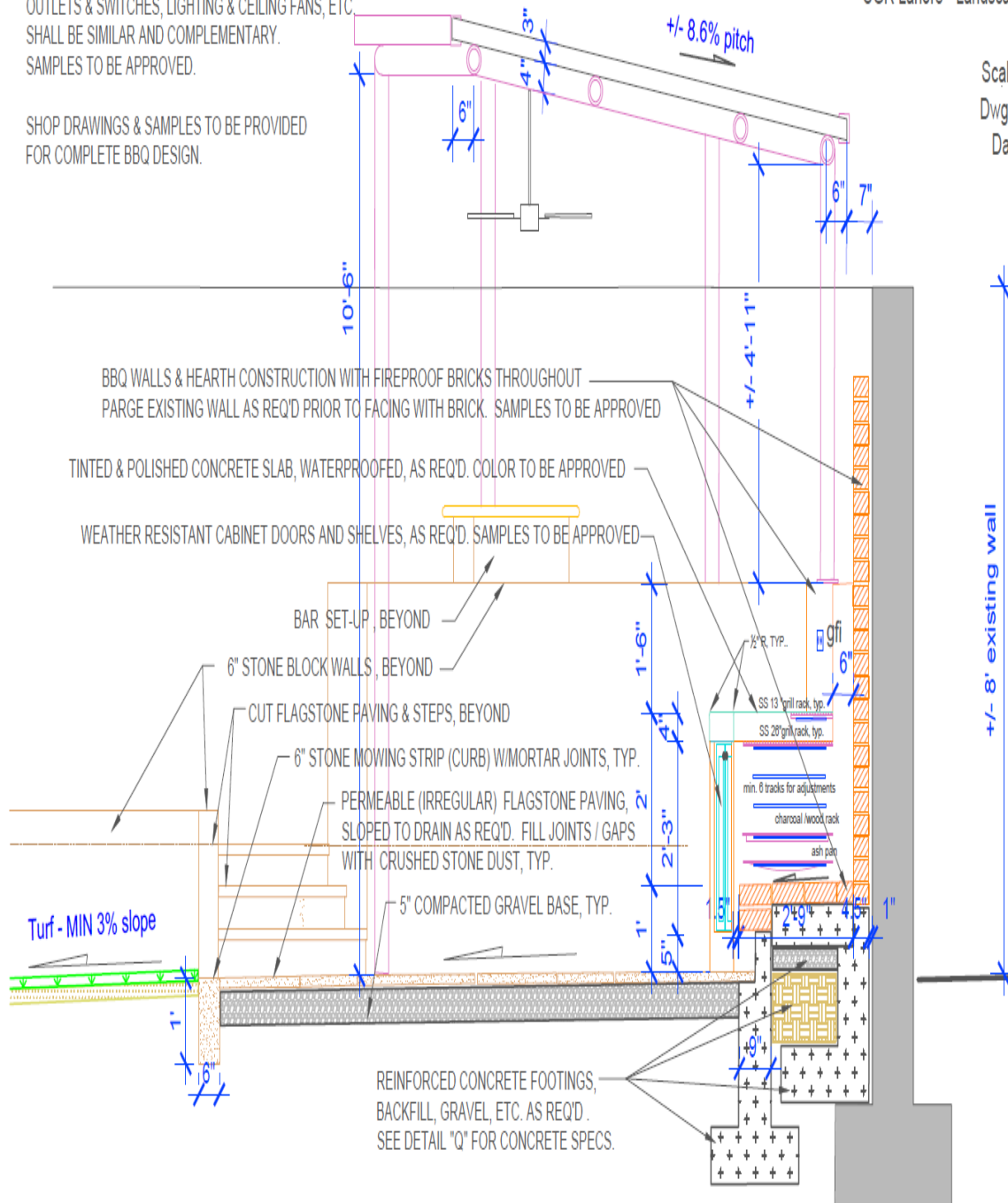




SHOP DRAWINGS & SAMPLES TO BE PROVIDED  
FOR COMPLETE BBQ DESIGN.

## DETAILS

Date: 07-25-2014



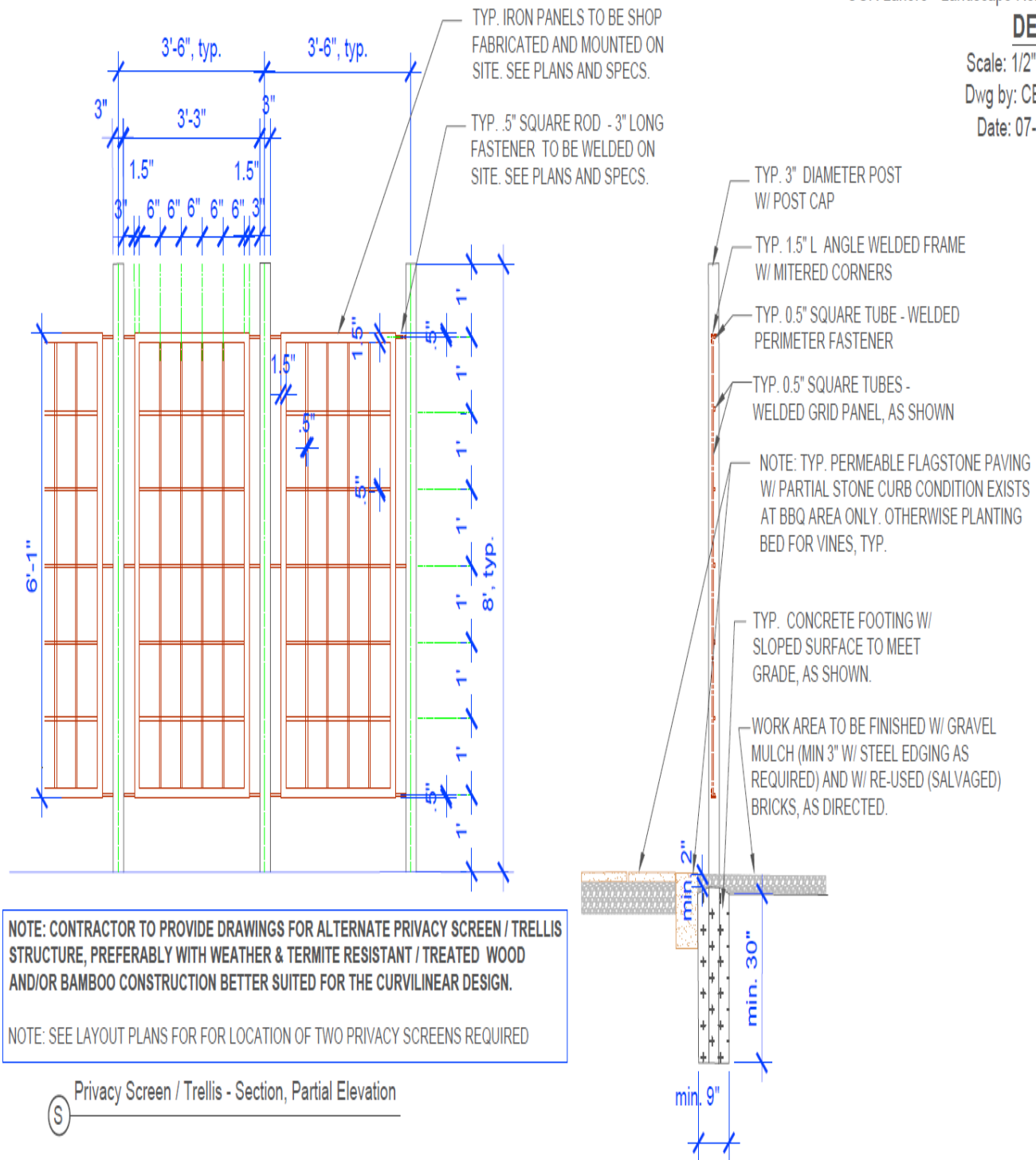
Section at BBQ Area

## DETAILS

Scale: 1/2" = 1' - 0"

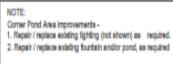
Dwg by: CBK, MLA

Date: 07-25-2014



1. Provide new electric panel boxes (with an emergency cut-off ) to service all new lighting, and new power requirements as shown, including the Front Yard Layout Plan, the Back Yard Layout Plan, and the Entertainment Area Lighting Plan.
2. Existing Lighting at Corner Pond Area shall be repaired/replaced as required.
3. All existing lights (some not shown), bollards and/or poles shall be re-set/ re-mounted and/or replaced as necessary, with approval of COR.
4. All exterior wiring connections, connectors, conduits, outlet boxes, switch boxes, GFI, junction boxes, etc. shall be waterproof / weatherproof, etc. and shall be re-grouped in circuits to switch boxes that make sense, and connected to the new panel boxes as required.
5. Provide appropriate power supply and waterproof connections to "GFI - outdoor" outlets as required for Events. See Layout Plans and Details
6. Provide samples for all new lighting - uplights, "flag/uplight, mini-uplights, "garden" light poles (see Site Sections for intent/ scale), as shown on the drawings, as well repair/replacements of existing Light Bollards and Light Poles as necessary. Samples to be approved by COR
7. Provide samples of all new ceiling fans, ambient lights, mini-uplights and "wall washer" lights at Entertainment Area as required. Samples to be approved by COR
8. See Appendix # 5 for Lighting & Ceiling Fan Requirements
9. See Appendix # 6 for Standard Electrical Codes & Specifications

Scale: 1"= 10'-0"  
Design by: Cecilia B. de Kanga, MLA  
Facilities Maintenance QC Project Coordinator, Islamabad  
Date: 08-05-2014





## APPENDIX # 2

### PLANTING PLAN REQUIREMENTS

#### Specific Plants Listed:

- |     |  |                                 |
|-----|--|---------------------------------|
| 3 - | specimen large shade tree – fine to medium texture                           | 5'-17' tall, broad branching    |
| 9 - | palm trees (for allee) – tall trunk, heavy cluster, nice habit               | 9'-12' tall, drooping branching |
| 5 - | palm trees (back yard) – match existing                                      | 6'-8' tall                      |
| 1 - | accent palm – bismark or similar   | 4'-6' tall, good shape          |
| 5 - | bougainvillea – variegated, bright pink flowers,<br>w/ trellis sized for pot | 4'-6' tall, multiple branches   |
| 5 - | bougainvillea – variegated, bright pink flowers,<br>trained up side wall     | 4'-6' tall, multiple branches   |
| 2 - | jasmin - or climbing rose – trained up ex. support                           | 4'-6' tall, multiple branches   |

#### Additional Plants Listed:

- 2 - existing lemon trees – relocated / transplanted
- 1 - existing orange tree – relocated / transplanted
- ? - existing roses – transplant best roses @ recommended spacing (24"-30" OC, typ.)
- ? - add to existing duranta hedges, as required – match size if possible
- ? - add to existing ficus hedges, as required – match size if possible

#### Planters/ Planting Beds Listed:

See Proposed Landscape Site Plan for location of all the Planters and Planting Beds required.

Planters # 1, 2 & 3 – typical sloped berm planters – include 3 distinct planting areas: lower arc, upper arc, and junction (See Site Sections 1-1 and 2-2 for intent of appearance, and Details A & B) - each of which should be planted with solid masses of single type of plants as follows:

- Flowering plants – same color - preferably perennials, low growing and compact, plants that can be dead-headed to increase flower productivity, or at least last longer seasons, typically planted at 4" – 6" OC, on the lower arc
- Spreading groundcover plants – that can be kept tight, typically planted at 12" OC (staggered to provide more breadth) on the upper arc; aruthia is recommended (adjust spacing to size, as required) however open to possibilities
- Accent - shrubs, small palms – full, interesting shape and/or colored leaves and texture, at junctions

Planting Bed # 4 – Cactaceous/gravel bed shall include a variety of cacti type plants of different habits. Overall design should integrate well with citrus trees (in same bed, keep outside their canopy, etc.) and have a unified, curvilinear design that shows off the various layers of plants, as follows:

- Tall - Cactus & yucca, etc. - as accents
- Medium - Sansevieria, euphorbia, aloe, etc. - as shrubs
- Low - Sedums, etc. – as groundcovers

Planter # 5 – Sloped Flag Display (see Detail J for planting recommendations)

Sloped planting bed shall display flowers in 3 colors as follows:

- BLUE – Ageratum (compact, rounded w/ blue flowers), or other comparable
- WHITE – Iberis Sempervirens (compact, rounded w/ blue flowers), or other comparable
- RED – Nantra (compact, reddish leaves), other comparable or with red flowers

Planters # 6 & 7 – raised brick planters – shall include a variety of shrubs and/or ground covers, interspersed with flowering perennials. Plants (to be seen up close) should provide variety of color and texture, have a graceful habit and complement the existing bougainvillea backdrop. Mulch with organic mulch, as required. See Site Sections 2 & 3, and Details

Planter # 8 – sloped planting bed – shall include lush, low growing shrubs and groundcovers, to surround the “specimen” shade tree (keeping the required tree saucer free of plantings). Varieties should be shade tolerant. Mulch with organic mulch, as required. See Detail G for similar condition.

Note: coordination of plantings required for placement of uplight, to avoid obstruction of light.

Planter # 9 – sloped planting bed – shall include tall (3’-4’ ) compact shrubs ( which can be kept trimmed and uniform) on back side, and low growing shrubs, groundcovers at the base. Mulch with organic mulch, as required, typically 2”-3” thick.. See Detail G.

Planter # 10 – mounded rose garden – shall include transplanted roses spaced at 18” -24” OC in staggered rows and if possible grouping masses of same colors, equally around the accent palm.

Roses shall be appropriately pruned/ kept trimmed and properly maintained after being dug up; it is recommended that each plant be temporarily potted for the entire transition period. See detail D.

NOTE: Coordinate with CG Lahore Facilities for removal from site of any surplus roses, and any other plants, dug up due to construction, to avoid killing plants due to lack of maintenance!!!

Planter # 11, 12, 13 & 14 –shall include lush, colorful and dense shrubs and lush, soft and leafy groundcovers to contrast with the existing duranta hedges to remain. Planter #11 shall include taller varieties of shrubs to hide the raised “vegetable” garden. Species should be attractive as they are the first impression when driving in; dense variegated hibiscus is recommended. Mulch with gravel, as required, typically 2”-3” thick.

Planters # 15 & 16 – shall include lush broad leaf shrubs, small palms, and groundcovers - to contrast with the existing ficus hedges to remain, and complement the existing shrubs, palms and trees. Some flower mass groups, opposite each other at both ends of the drop-off driveway may be considered, however seasonal flowers are highly discouraged due to high maintenance required.

Planters # 17 - shall include lush, mixed habit shrubs and groundcovers, to surround the “specimen” shade tree (keeping the required tree saucer free of plantings). Varieties should be shade tolerant and complement the existing palms, dracaenas, etc. Liriope “naturalized with some daylilies or iris are recommended for a meadow type feel at these deep planting beds, with some large leaf type plants such as Monstera, Elephant ears, etc. at the rear.. Mulch w/ organic mulch as required, typically 2”-3” thick. In addition some taller shrubs and vines adjacent to the new privacy screen/trellis are required.

Note: coordination of plantings required for placement of uplight, to avoid obstruction of light.

Planter # 18 - shall include lush, mixed habit shrubs and groundcovers, to surround the existing palm tree (keeping the required tree saucer free of plantings) and complement the existing duranta hedge which should be kept tall and trimmed. Varieties should tolerate mixed light. Liriope “naturalized with some daylilies or iris are recommended for a meadow type feel at these deep planting beds.

Mulch w/ organic mulch as required, typically 2”-3” thick

Planter # 19 – shall include lush spreading groundcovers to complement the existing duranta hedge which should be kept tall and trimmed. Aruthia and variegated liriope, typically planted at 12” OC (staggered to

provide more breadth) are recommended in masses interspersed with some pockets of flowers for visual interest. . See Detail N for limit of organic mulch and gravel trench w/ steel edging as required.

Planters # 20 & 21 – shall include shrubs, palms, groundcovers of interesting shapes and habits that can be featured against the rock wall background or the privacy screen trellis. Mulch with “color complementary” stone pebbles, as required, typically 2”-3”thick. See Detail Q.

In addition some taller shrubs and vines adjacent to the new privacy screen/trellis are required

Planter # 22 - shall include lush, mixed habit shrubs, palms and groundcovers, to surround the existing - very large ficus tree with massive roots, and palm trees (keeping the required tree saucers free of plantings). See Proposed Landscape Site Plan for notes; rock garden type plant selections may be appropriate. Mulch with “color complementary” stone pebbles, as required, typically 2”-3”thick.

Planter #23 – shall include plants of unique appearance that would complement the new rustic stone wall treatment. Plants may be installed in pockets, and/or on wall mounted pots, etc. to provide visual interest and color. Use of various types of ferns (including maiden hair ferns), etc., is recommended, and shall be planted with the appropriate soil medium.

See Entertainment Area – Platform Layout Plan and Elevation, and Detail P

Planter # 24 – shall be similar to Planter #17

Planter # 25 – Corner Pond Plantings – shall include lush plantings that will complement the existing trees, palms and shrubs. Large leaf type plants such as Monstera and Elephant ears are recommended to fill in the back, as well as varieties of ferns, etc.

In addition, provide some aquatic plants for the repaired pond/ fountain area, as may be required and approved by COR and/or landscape representative.

## APPENDIX # 3

### **PLANTING SPECIFICATIONS & DETAILS**

#### 1. PLANT SELECTION RECOMMENDATIONS:

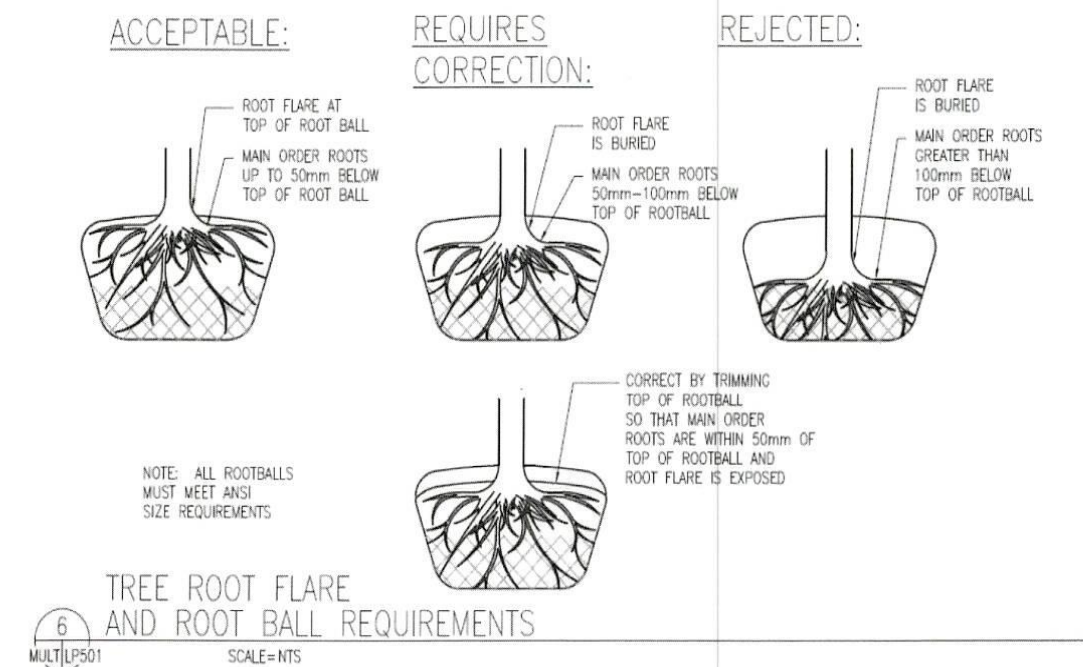
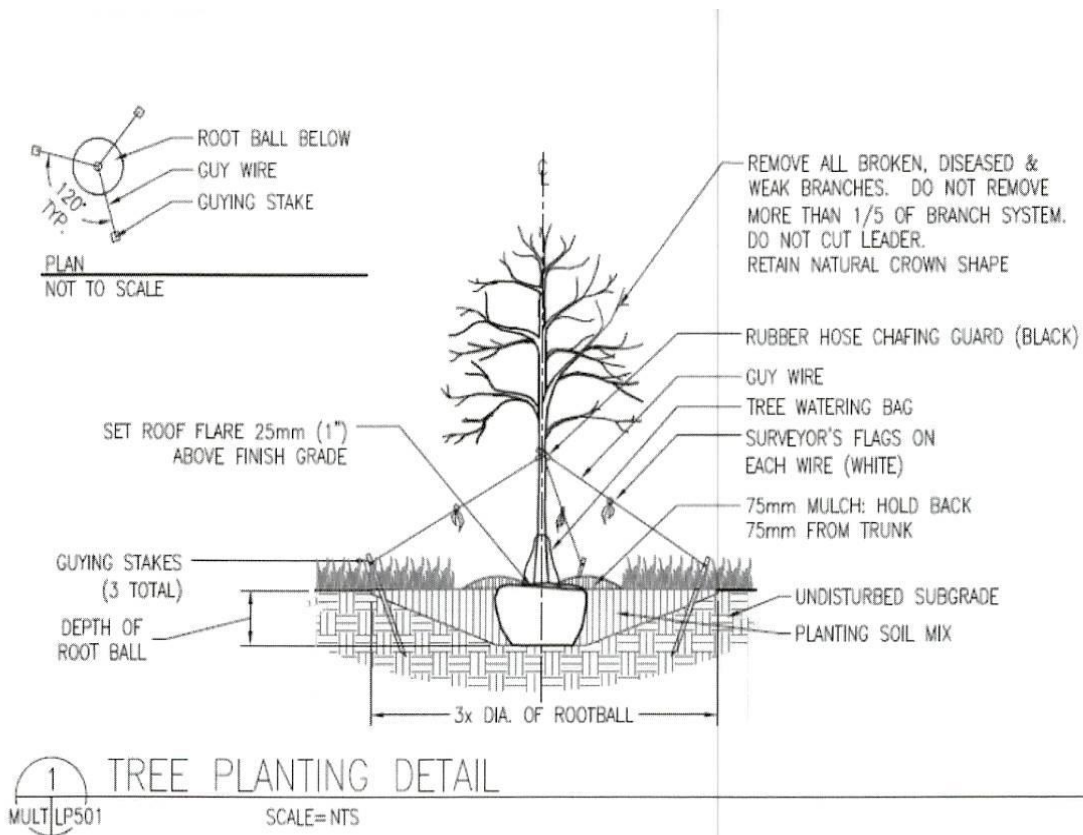
- a. All plants shall have a healthy root system, be clean and rid of dead leaves and branches, and shall be free of mites.
- b. All plants shall be true to their species and display natural shape, symmetry and habit.
- c. Multiple branches on trees and palms are required, and leader must be intact.
- d. Shrubs and groundcovers shall display natural density, species should be hardy and require minimal maintenance.
- e. Vines should have multiple branches and good density, care shall be taken to avoid species that may be too aggressive. Vines shall have fine texture, abundant flowers (preferably persistent) and shall remain evergreen where required for screening purposes
- f. Perennials should span various seasons of flowering; “naturalizing” is recommended for certain species as follows: mix ( at regular spacing) within a permanent groundcover bed, in such a way that when plant dies back the stems and leaves get cut back at the base and become hidden within the groundcover.
- g. Flowering plants shall display profuse flowers; typically de-heading spent flowers and trimming increases flower production.

#### 2. PLANTING RECOMMENDATIONS & SPACING:

- a. Plants shall be spaced appropriately, depending on the type and habit.
- b. Plants shall be planted vertically and shall each, individually be turned to face it's best side.
- c. Spacing in grid pattern with staggered rows is recommended to achieve best coverage; typically tight planting discourages weed growth.
- d. All trees and shrubs shall have individual planting “saucers”, to encourage pooling of water for slow seepage; typically a saucer is as wide as the planting hole and is at least 4” high at the crest of the ring
- e. Masses of shrubs and groundcovers should also have smaller “saucers”, to encourage water retention, but saucers are typically hidden by the mulch.
- f. Planting on slopes with low, spreading shrubs and groundcovers typically adjusts to the slope, however partial saucers may be encouraged to improve water retention.
- g. All plants shall be thoroughly “saturated” with water upon planting, and regular/ daily watering is encouraged.
- h. See Tree Planting Detail for proper installation and guying requirements.
- i. All potted plants shall be carefully removed from pots and properly “butterflied” to prevent root wrapping as follows: with a clean sharp knife – cut an “x” a the bottom of the plant root and cut 4 “slits” from top to bottom, evenly spaced around the root.
- j. Do NOT cut off the bottom of the roots of any plants (this includes trees, palms, shrubs, etc.), dig the hole at the appropriate depth required – for EACH PLANT.
- k. All plants shall be planted at required depth – see Tree Planting Detail showing the “root flare” (= base of stem/trunk) which must always remain uncovered and shall always match existing grade; typically plants are set to meet grade up to the shoulders, and the neck must always remain exposed ( to avoid root rot), or the head (plant) will die.



1. Planting on slopes to satisfy above, requires a cut and fill adjustment to keep the “root flare” at the midpoint of the slope.
3. TREE PLANTING DETAIL - see detail attached
4. TURF PLANTING & WATERING:
  - a. Turf species shall be fine textured, drought tolerant, remain green throughout the year and shall fill in densely and quickly. Note: Golf Course type lawns shall be explored.
  - b. In addition to above, turf species shall be resistant to wear and walking, to withstand heavy use during outdoor events.
  - c. Turf sprigs shall be healthy – with fine, hardy roots
  - d. It is imperative that the recommended 3% slope is achieved for proper drainage.
  - e. All required tilling, removal of stones and debris, etc. shall be completed prior to adding soil improvements as required.
  - f. Rough and fine grading for lawn areas shall be inspected and approved by COR and/or landscape representative, and shall meet required depths relative to surrounds to achieve the “flush” with mowing strip requirements as shown on details A & B.
  - g. Note: the purpose of the mowing strip is to eliminate a grade change/ edge where debris collects and weeds grow; typically the mower rides over the mowing strip, and the turf becomes like a “carpet” next to the mowing strip.
  - h. Contractor shall follow turf producer’s recommendations, to be approved by COR and/or landscape representative, to ensure a good healthy lawn is well established..



## APPENDIX # 4

### **PLANTING POT SELECTIONS**

See Proposed Landscape Site Plan for location of all the Planting Pots required.

- Pots are typically grouped - of the same type (size and shape), and with the same type (size and shape) of plants as required for each group, throughout.
- Different Pots, adjacent to each other, shall have plants that complement each other.
- Pots shall be uniform in color by groups, and complementary to each other, preferably of earthy tones, typically terracotta.

Proposed Pots, as shown on the Plan, include the following:

1. LARGE PEDESTAL URNS – (TOTAL 6) shall be decorative, approx. 36” high and wide enough to plant some accent palms such as cycas, etc.
2. ROUNDED POTS - (TOTAL 6) shall be decorative, approx. 21” – 24” high and wide enough to plant some accent palms such as ponytail, etc.
3. RECTANGULAR POTS – (TOTAL 29) shall be approx. 36”x18”x 15” high (min) as follows:
  - Front Terrace – 17, shall have dense shrubs that can be kept trimmed at 42” ht. min. such as pittosporum, etc.
  - Back Terrace – 7, shall have low spreading flowering shrubs, that complement the duranta hedge at the base of the terrace.
  - Front Yard, side driveway – 5, shall have variegated bougainvillea with bright pink flowers, trained on a wood espalier (painted to match walls or white) which shall be fitted for the pot and for coverage at their specific locations
4. SQUARE POTS – (TOTAL 11) shall be approx. 18”x18”x 15” high (min) to match rectangular pots, as follows:
  - Front Terrace – 3, shall have variegated yellow, large leaf shrubs
  - Side Yard, between house and garage – 8, shall have different plants, grouped as suited for the location - as screen or accent, as required
5. MEDIUM UPRIGHT POTS – (TOTAL 27) shall be approx. 15” – 18” high, as follows:
  - Front Terrace – 17, shall have either cane palm or lady finger palms ( multiple stems) grouped by areas, and or pairs to suit their specific locations
  - Back Terrace – 10, either palm per above, or other variety better suited for sun
6. HANGING POTS – (TOTAL 4) shall be bowl type pot, or coconut fiber, with interesting trailing plants, and shall be hung from support off the top of the existing masonry privacy screen.

## APPENDIX # 5

### **LIGHTING & CEILING FAN SELECTIONS**

See Overall Electric Plan and Entertainment Area Lighting Plan for complete list of proposed electrical fixtures as well as for Electrical Notes. See Details Q & R for notes on finishes and appearance.

Contractor shall provide high quality products throughout; grade shall be approved for exterior use.

Finishes shall be compatible to each other and provide a harmonious appearance. See Details Q & R

Fixtures shall provide sufficient light to achieve the effects desired (typically warm glow & light); quantities may vary as required.

Samples and/or Specs of all items to be provided, along with a study of the quality & intensity of the lighting to be achieved, shall be submitted for approval by COR and/or landscape representative.

All electrical installations (lights, ceiling fans, outlets, switches, junction boxes, panels, cabling, wiring, conduits, etc.) as shown and as may be required, shall be performed in accordance to Code, and shall satisfy all requirements for outdoor installation. Manufacturer's recommendations shall be followed throughout; however any discrepancies shall be brought to attention of COR.

See APPENDIX # 6 – Standard Electrical Code & Specifications

Proposed Lights, Ceiling Fans, as shown on the Overall Electric Plan - Key, include the following:

GARDEN LIGHT POLES – (TOTAL 8) , see Site Sections 1 thru 4, for suggested size, type and proportions. Height of actual lamp should be between 7'-8' relative to grade at which a pedestrian user would stand; however may be adjusted based on existing walls &, bougainvillea, etc. as may be required.

FLAG UPLIGHT – (TOTAL 1), typically a powerful directed light aimed at flag is required, installed in accordance to manufacturer's specs. Note: if already existing, may be omitted after verifying that existing condition is acceptable, as approved by COR.

UPLIGHTS – (TOTAL 3), large uplights are intended to broadly illuminate the underside of the proposed – large shade tree specimens, to show off their branching structure and provide sense of canopy, as follows:

- Front Yard – 1, as shown on drawings.
- Back Yard – 2, as shown on drawings.

Coordination of shrub and groundcover plantings will be required to avoid obstructing the light.

MINI-UPLIGHTS – (TOTAL 17), small garden uplights are intended to illuminate the proposed shrub and groundcover plantings, as shown on the drawings:

- Front Yard – 9, typically 3 (min.) at each sloped berm planter are intended to show off the plantings along the driveway/drop-off area.  
See Proposed Landscape Site Plan for location
- Back Yard – 8 (min.) intended to show off the proposed plantings at the rear of the Entertainment Area, including illuminating the existing ficus and palm trees.  
See Entertainment Area – Lighting Plan and Elevation

WALL WASHER LIGHTS – (TOTAL 3 - min.) intended to show off the rustic stone wall treatment, pocket and wall mounted plantings, as may be required.  
See Entertainment Area Lighting Plan & Elevation and Detail P.

AMBIENT CEILING LIGHTS – (TOTAL 12 – min.) intended to provide soft, warm light, evenly distributed throughout.  
See Entertainment Area Lighting Plan & Elevation, for appearance desired, and connections to switches.

CEILING FANS – (TOTAL 4) shall be of high quality, approved for outdoor use; fan blades shall be resistant to humidity. Fans shall be “quiet” type and have adjustable fan speed with appropriate speed control switch.  
See Entertainment Area Lighting Plan & Elevation, and Details P & R for appearance desired, and connections to switches.

## APPENDIX # 6

### **STANDARD ELECTRICAL CODES & SPECIFICATIONS**

1. All electrical work shall be carried out according to NEC (National Electric Code) standards.
2. Light to light distance shall be 4' typical unless otherwise directed.
3. Receptacle outlets shall be installed at 6' typical, unless otherwise directed.
4. Kitchens: see Appendix # 2 & #3 above
5. Bathrooms: install at least one wall receptacle outlet within 3 feet of the outside edge of each basin (sink).
6. Laundry Areas: install as many receptacles as laundry equipment; however an additional receptacle outlet shall be installed for general purpose use.
7. GFCI receptacles/outlets are required in all kitchens, bathrooms, wet locations (including laundry, water pumps and exterior) in accordance to standard U.S. code. All wiring shall be in appropriate hidden conduit or buried underground as required.
8. Receptacles/outlets in exterior wet locations must be waterproofed and with covers, approved for outdoor use.
9. Every receptacle shall have a separate circuit in a separate conduit from switchboard/panel.
10. Each circuit shall have shall have 3 wires(phase-red, neutral-Black and ground-Green)
11. Use proper glands/connectors of approved quality for cable entries into panels, sub panels and switchboards & boxes.
12. All cable entry points into panels shall have proper fittings and be sealed with proper waterproof compound, to prevent entry of water & foreign objects.
13. All switches, plates, receptacles, outlets shall be Clipsal; all sockets shall be Schouko type, with grounding terminal.
14. Panels shall be: 3-phase, 4-wire, weatherproof, lockable, equipped with bus bars, volt meter, and ampere meter, and with appropriately sized circuit breakers, as required.
15. Circuit Breakers of panels & DBs shall be made by AEG, ABB, Siemens, and Schneider.
16. DBs & panels shall have 10% spare circuit breakers identified for future use.
17. All circuit breakers in DB shall be marked for relevant circuits, outlets & appliances, for identification purposes.
18. All circuit breakers shall be as follows:
  - Main Circuit breaker - no less than 100amp for each DB
  - Branch circuit breakers - 20amp for all circuits.
19. All GFCI/RCDs shall be: typical 2-pole, 16A, 10mA (made by AEG, ABB, Siemens, or Schneider), and are required for all wet locations (washrooms, washing areas, kitchen, water pumps, etc.)
20. All metallic boxes & DBs shall be grounded; size of steel boxes for wiring shall be 14Awg.
21. Wiring shall be as specified:
  - Use 3 x 1 x 2.5SQM wire for lights
  - Use 3 x 1 x 6SQM wire for AC/Receptacles.
22. Conduits used for cable runs and wiring, shall be as follows:
  - EMC or EMT or PVC, schedule-40 or schedule-80

- 3/4" size conduit for wiring
  - 2" – 4" size conduit for cables at panels & DBs.
23. Feeds shall be as specified:
    - 3 x 1 x 6SQM feed, for water heaters, water pumps, and security lights
    - 3 x 1 x 4SQM feed, for chandeliers & garden lights
  24. Grounding shall be: 2 (two) 10' long copper grounding rods of 3/4-inch diameter each.)
  25. All outside lights (including garden lights, gate lights, security lights, dual corner lights, etc.) shall be Philips make or equal as per approved samples, and shall be weatherproof and suitable for exterior application.
  26. Contractor will be responsible for replacement of main cable from WAPDA DB (distribution box) to meter and meter to main panel with 4x35 mm (PAK cables or equivalent), if applicable as directed by COR.
  27. DB's for interior wiring will remain in same location but exterior facilities and security lights will have DB's relocated to the Garage/ Carport if applicable.
  28. Contractor will be responsible for re-allocating necessary routing for Generator and other related circuits, if applicable, as directed by COR.
  29. Contractor will arrange for new Grounding of the entire building, if applicable, as directed by COR.

## APPENDIX # 7

### **STANDARD PLUMBING REQUIREMENTS & SPECIFICATIONS**

1. All plumbing work shall be carried out according to International Plumbing Code (I.P.C.) standards.
2. All plumbing work shall include:
  - Water supply lines: use uPVC class-E schedule-40
  - Fittings: use uPVC class E schedule-80
  - For hot/cold water piping: use PPR PN 25(Dadex or equivalent)
  - Sewer lines: use 6" uPVC pipes with collar joints (DADDEX or equivalent) at exterior/underground locations.
  - P-traps at all sinks
  - Bathroom floor drains to be eliminated where possible, as approved by COR
3. Use adhesive solution for all pipe joints according to the manufacturer's recommendations
4. Install IIL galvanized piping that can hold water pressure of 60psi from the underground water tank to the roof water tank and from the roof tank to the bathrooms and kitchen as well as to all other external supply points, if applicable as directed by COR.



## APPENDIX # 8

### **SAFETY REQUIREMENTS FOR OVERSEAS CONSTRUCTION PROJECTS**

Contractor shall comply with the following applicable safety requirements as stated in DOSAR 652.236-70 ACCIDENT PREVENTION:

- 1) Any work at heights above two (2) meter requires additional safety measures described as follows:
  - a. Workers shall not be permitted to work at heights over 1.5 meters without fall protection.
  - b. Fall protection shall consist of scaffolding, work platforms, or full body harnesses.
  - c. All work platforms over 1.5 meters tall (including scaffolding) shall have handrails.
  - d. Full body harnesses shall be attached to an object capable of resisting 5000 lbs of force.
- 2) Any excavation work that exceeds 1 meter depth, requires additional safety measures.
- 3) Use of earth moving equipment, requires additional safety measures.
- 4) Work in confined spaces including water tanks, sewers, transformer vaults, potential for combustion, etc. require additional safety measures.
- 5) Work with hazardous materials requires additional safety measures.
- 6) Work at hazardous noise levels requires additional safety measures.
- 7) Temporary wiring, use of portable electric tools or other recognized electrical hazards requires additional safety measures.

J. QUOTATION INFORMATION

A. QUALIFICATIONS OF OFFERORS

Offerors/quoters must be technically qualified and financially responsible to perform the work described in this solicitation. At a minimum, each Offeror/Quoter must meet the following requirements:

- (1) Be able to understand written and spoken English;
- (2) Have an established business with a permanent address and telephone listing;
- (3) Be able to demonstrate prior construction experience with suitable references;
- (4) Have the necessary personnel, equipment and financial resources available to perform the work;
- (5) Have all licenses and permits required by local law;
- (6) Meet all local insurance requirements;
- (7) Have the ability to obtain or to post adequate performance security, such as bonds, irrevocable letters of credit or guarantees issued by a reputable financial institution;
- (8) Have no adverse criminal record; and
- (9) Have no political or business affiliation which could be considered contrary to the interests of the United States.

B. SUBMISSION OF QUOTATIONS

This solicitation is for the performance of the construction services described in SCOPE OF WORK including Appendixes , and the Attachments which are a part of this request for quotation.

Each quotation must consist of the following:		
Volume	Title	Number of Copies*
I	Standard Form 1442 including a completed Attachment 2, "BREAKDOWN OF PROPOSAL PRICE BY DIVISIONS OF SPECIFICATIONS	03
II	Performance schedule in the form of a "bar chart" and Business Management/Technical Proposal	03

Submit the complete quotation to the address indicated. If mailed, on Standard Form 1442, or if hand-delivered, use the address set forth below.

<b>RFQ No: SPK330-14-Q-5738</b>
<b>GSO-PROCUREMENT &amp; CONTRACTING UNIT</b>
<b>U.S. EMBASSY, DIPLOMATIC ENCLAVE, RAMNA-5</b>
<b>ISLAMABAD</b>

The Offeror/Quoter shall identify and explain/justify any deviations, exceptions, or conditional assumptions taken with respect to any of the instructions or requirements of this request for quotation in the appropriate volume of the offer.

Volume II: Performance schedule and Business Management/Technical Proposal.

(a) Present the performance schedule in the form of a "bar chart" indicating when the various portions of the work will be commenced and completed within the required schedule. This bar chart shall be in sufficient detail to clearly show each segregable portion of work and its planned commencement and completion date.

(b) The Business Management/Technical Proposal shall be in two parts, including the following information:

Proposed Work Information - Provide the following:

- (1) A list of the names, addresses and telephone numbers of the owners, partners, and principal officers of the Offeror;
- (2) The name and address of the Offeror's field superintendent for this project;
- (3) A list of the names, addresses, and telephone numbers of subcontractors and principal materials suppliers to be used on the project, indicating what portions of the work will be performed by them; and,

Experience and Past Performance - List all contracts and subcontracts your company has held over the past three years for the same or similar work. Provide the following information for each contract and subcontract:

- (1) Customer's name, address, and telephone numbers of customer's lead contract and technical personnel;
- (2) Contract number and type;
- (3) Date of the contract award place(s) of performance, and completion dates; Contract dollar value;
- (4) Brief description of the work, including responsibilities; and
- (5) Any litigation currently in process or occurring within last 5 years.

C. 52.236-27 SITE VISIT (CONSTRUCTION) (FEB 1995)

- (a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed.
- (b) A site visit has been scheduled for **September 13, 2014 at 1000Hrs.**
- (c) Participants will meet at (Location will be announced before site visit through separate email only to interested participants)
- (d) Maximum of two persons from one firm may participate in the site visit/ pre-proposal conference. Interested offerors must provide with full name of participant(s) (as written on NIC), NIC number and particulars of vehicle to be used (make, model, color and registration). Offerors interested in attending must e-mail on or before **12.00 noon September 11, 2014:**

LatifM@state.gov and RizviAA@state.gov

D. MAGNITUDE OF CONSTRUCTION PROJECT

It is anticipated that the range in price of this contract will be between 4,500,000 PKR to 6,500,000 PKR.

E. LATE QUOTATIONS. Late quotations shall be handled in accordance with FAR.

F. 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates the following provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at: <http://acquisition.gov/far/index.html/> or <http://farsite.hill.af.mil/vffara.htm>. Please note these addresses are subject to change.

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use of an Internet "search engine" (for example, Google, Yahoo or Excite) is suggested to obtain the latest location of the most current FAR.

The following Federal Acquisition Regulation provisions are incorporated by reference (48 CFR CH. 1):

<u>PROVISION</u>	<u>TITLE AND DATE</u>
52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (JUL 2013)
52.204-7	SYSTEM FOR AWARD MANAGEMENT (JUL 2013)
52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE (APR 1991)
52.215-1	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (JAN 2004)

K. EVALUATION CRITERIA

Award will be made to the lowest priced, acceptable, responsible quoter. The Government reserves the right to reject quotations that are unreasonably low or high in price.

The Government will determine acceptability by assessing the offeror's compliance with the terms of the RFQ. The Government will determine responsibility by analyzing whether the apparent successful quoter complies with the requirements of FAR 9.1, including:

- ability to comply with the required performance period, taking into consideration all existing commercial and governmental business commitments;
- satisfactory record of integrity and business ethics;
- necessary organization, experience, and skills or the ability to obtain them;
- necessary equipment and facilities or the ability to obtain them; and
- otherwise qualified and eligible to receive an award under applicable laws and regulations.

SECTION L - REPRESENTATIONS, CERTIFICATIONS AND  
OTHER STATEMENTS OF OFFERORS OR QUOTERS

L.1 52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions

"Common parent", as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)", as used in this provision, means the number required by the IRS to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision in order to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325 (d), reporting requirements of 26 USC 6041, 6041A, and 6050M and implementing regulations issued by the Internal Revenue Service (IRS). If the resulting contract is subject to the reporting requirements described in FAR 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 USC 7701( c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN)

TIN:	
<input type="checkbox"/>	TIN has been applied for
<input type="checkbox"/>	TIN is not required because:
<input type="checkbox"/>	Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the U.S. and does not have an office or place of business or a fiscal paying agent in the U.S.
<input type="checkbox"/>	Offeror is an agency or instrumentality of a foreign government
<input type="checkbox"/>	Offeror is an agency or instrumentality of the Federal Government

(e) Type of Organization

<input type="checkbox"/>	Sole Proprietorship
<input type="checkbox"/>	Partnership
<input type="checkbox"/>	Corporate Entity (not tax exempt)
<input type="checkbox"/>	Corporate Entity (tax exempt)
<input type="checkbox"/>	Government entity (Federal, State or local)
<input type="checkbox"/>	Foreign Government
<input type="checkbox"/>	International organization per 26 CFR 1.6049-4

	Other:
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(f) Common Parent

	Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this clause.
	Name and TIN of common parent
Name	
TIN	

(End of provision)

**L.2 52.204-6 CONTRACTOR IDENTIFICATION NUMBER -DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (OCT 2003)**

(a) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation “DUNS” or “DUNS+4” followed by the DUNS number or DUNS+4 that identifies the offeror’s name and address exactly as stated in the offer. The DUNS number is a nine-digit number assigned by Dun and Bradstreet Information Services. The DUNS+4 is the DUNS number plus a 4-character suffix that may be assigned at the discretion of the offeror to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see Subpart 32.11) for the same parent company.

If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one. An offeror may obtain a DUNS number-

- If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at <http://www.dnb.com>; or
- If located outside the United States, by contacting the local Dun and Bradstreet office.

The offeror should be prepared to provide the following information:

- Company legal business name.
- Tradestyle, doing business, or other name by which your entity is commonly recognized.
- Company physical street address, city, state and Zip Code.
- Company mailing address, city, state and Zip Code (if separate from physical)
- Company telephone number
- Date the company was started.
- Number of employees at your location.
- Chief executive officer/key manager.
- Line of business (industry)

Company Headquarters name and address (reporting relationship within your entity).

**L.3 52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (JAN 2014)**

(a)(1) The North American Industry Classification System (NAICS) code(s) for this acquisition is/are:

**236118 - Construction Management, residential remodeling**  
**236220 - Construction Management, commercial and institutional building or Warehouse construction**  
**237110 - Construction Management, water and sewage line and related structures**  
**237310 - Construction Management, highway road, street or bridge**  
**237990 - Construction Management, outdoor recreation facility**

(2) The small business size standard is **\$33.5 Million USD**.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7 is not included in this solicitation, and the offeror is currently registered in the System for Award Management (SAM), and has completed the Representations and Certifications section of SAM electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

☐ (i) Paragraph (d) applies.

☐ (ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)(1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless—

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.

(iii) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.

(iv) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that—

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.



(v) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations—Representation. This provision applies to solicitations using funds appropriated in fiscal years 2008, 2009, 2010, or 2012.

(vi) 52.209-5, Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(vii) 52.214-14, Place of Performance—Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(viii) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(ix) 52.219-1, Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.

(x) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.

(xi) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xii) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xiii) 52.222-38, Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.

(xiv) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA–designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xv) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA–designated items.

(xvi) 52.225-2, Buy American Act Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xvii) 52.225-4, Buy American Act—Free Trade Agreements—Israeli Trade Act Certificate. (Basic, Alternates I, II, and III.) This provision applies to solicitations containing the clause at 52.225-3.

(A) If the acquisition value is less than \$25,000, the basic provision applies.

(B) If the acquisition value is \$25,000 or more but is less than \$50,000, the provision with its Alternate I applies.

(C) If the acquisition value is \$50,000 or more but is less than \$79,507, the provision with its Alternate II applies.

(D) If the acquisition value is \$79,507 or more but is less than \$100,000, the provision with its Alternate III applies.

(xviii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xix) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan—Certification. This provision applies to all solicitations.

(xx) 52.225-25, Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran-Representation and Certifications. This provision applies to all solicitations.

(xxi) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to—

(A) Solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions; and

(B) For DoD, NASA, and Coast Guard acquisitions, solicitations that contain the clause at 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns.

(2) The following certifications are applicable as indicated by the Contracting Officer:

[*Contracting Officer check as appropriate.*]

\_\_\_ (i) 52.219-22, Small Disadvantaged Business Status.

\_\_\_ (A) Basic.

\_\_\_ (B) Alternate I.

\_\_\_ (ii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.

\_\_\_ (iii) 52.222-48, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment Certification.

\_\_\_ (iv) 52.222-52, Exemption from Application of the Service Contract Act to Contracts for Certain Services—Certification.

\_\_\_ (v) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered Material Content for EPA—Designated Products (Alternate I only).

\_\_\_ (vi) 52.227-6, Royalty Information.

\_\_\_ (A) Basic.

\_\_\_ (B) Alternate I.

\_\_\_ (vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(d) The offeror has completed the annual representations and certifications electronically via the SAM website accessed through <https://www.acquisition.gov>. After reviewing the SAM database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [*offeror to insert changes, identifying change by clause number, title, date*]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR CLAUSE #	TITLE	DATE	CHANGE
_____	_____	_____	_____

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on SAM.

(End of provision)

L.4. 52.225-18 PLACE OF MANUFACTURE (SEPT 2006)

(a) *Definitions.* As used in this clause—

“Manufactured end product” means any end product in Federal Supply Classes (FSC) 1000-9999, except—

- (1) FSC 5510, Lumber and Related Basic Wood Materials;
- (2) Federal Supply Group (FSG) 87, Agricultural Supplies;
- (3) FSG 88, Live Animals;
- (4) FSG 89, Food and Related Consumables;
- (5) FSC 9410, Crude Grades of Plant Materials;
- (6) FSC 9430, Miscellaneous Crude Animal Products, Inedible;
- (7) FSC 9440, Miscellaneous Crude Agricultural and Forestry Products;
- (8) FSC 9610, Ores;
- (9) FSC 9620, Minerals, Natural and Synthetic; and
- (10) FSC 9630, Additive Metal Materials.

“Place of manufacture” means the place where an end product is assembled out of components, or otherwise made or processed from raw materials into the finished product that is to be provided to the Government. If a product is disassembled and reassembled, the place of reassembly is not the place of manufacture.

(b) For statistical purposes only, the offeror shall indicate whether the place of manufacture of the end products it expects to provide in response to this solicitation is predominantly—

- (1) ☐ In the United States (Check this box if the total anticipated price of offered end products manufactured in the United States exceeds the total anticipated price of offered end products manufactured outside the United States); or
- (2) ☐ Outside the United States.

(End of provision)

## L.5 AUTHORIZED CONTRACT ADMINISTRATOR

If the offeror does not fill-in the blanks below, the official who signed the offer will be deemed to be the offeror's representative for Contract Administration, which includes all matters pertaining to payments.

Name:
Telephone Number:
Address:

**[Proposal Note: If the bidder/offeror has indicated “yes” in blocks (a)(1), (2), or (3) of the following provision, the bidder/offeror shall include Defense Base Act insurance costs covering those employees in their proposed prices. The bidder/offeror may obtain DBA insurance directly from any Department of Labor approved providers at the DOL website at <http://www.dol.gov/owcp/dlhwc/lscarrier.htm>.]**

## L.6 652.228-70 DEFENSE BASE ACT – COVERED CONTRACTOR EMPLOYEES (JUNE 2006)

(a) Bidders/offerors shall indicate below whether or not any of the following categories of employees will be employed on the resultant contract, and, if so, the number of such employees:

<u>Category</u>	<u>Yes/No</u>	<u>Number</u>	
(1) United States citizens or residents			
(2) Individuals hired in the United States, regardless of citizenship			
(3) Local nationals or third country nationals where contract performance takes place in a country where there are no local workers' compensation laws		local nationals:	
		third-country nationals:	
(4) Local nationals or third country nationals where contract performance takes place in a country where there are local workers' compensation laws		local nationals:	
		third-country nationals:	

(b) The Contracting Officer has determined that for performance in the country of Pakistan –

- ✓ Workers' compensation laws exist that will cover local nationals and third country nationals.

Workers' compensation laws do not exist that will cover local nationals and third country nationals.

(c) If the bidder/offeror has indicated "yes" in block (a)(4) of this provision, the bidder/offeror shall not purchase Defense Base Act insurance for those employees. However, the bidder/offeror shall assume liability toward the employees and their beneficiaries for war-hazard injury, death, capture, or detention, in accordance with the clause at FAR 52.228-4.

(d) RESERVED

(End of provision)